

# **Holding companies**

News Comment March 15, 2016

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[Holding Companies/IT Services]

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# SK Holdings

(034730 KS/Buy)

# Biotech business deserves revaluation

# SK Biopharmaceuticals' epilepsy drug expected to hit the market in 2018

On March 14th, SK Holdings' wholly-owned subsidiary SK Biopharmaceuticals announced that it successfully completed the phase 2 clinical trial for its new epilepsy drug (YKP3089), and has reached an agreement with the US FDA on the terms of the drug's phase 3 trial and approval. (Note: SK Biopharmaceuticals was spun off from SK Holdings' Life Science unit in April 2011 and focuses on developing new drugs.)

SK Biopharmaceuticals conducted phase 2a and 2b trials in the US, Europe, and Asia over the past four years. In the 2b trial, the drug was proven to be twice more effective than existing treatments, reducing the frequency of seizures by 55%.

What's noteworthy is that the FDA has allowed the company to file a new drug application using the efficacy data of the phase 2 trials alone, given the drug's greater efficacy and safety compared to existing therapies. This means the company will be able to skip efficacy testing and perform only long-term safety assessments in the phase 3 trials.

The company is aiming to file for FDA approval in 2017 and launch the drug globally in 2018. The company expects the drug to become a blockbuster, with annual sales of over W1tr and OP margin of at least 50% in the US alone, based on sales data of the current leading epilepsy treatments—Vimpat and Keppra from UCB Pharma.

# Revising up value of SK Biopharmaceuticals and SK Biotek to W2.2tr

In deriving SK Holdings' NAV, we revised up the combined value of the company's stakes in SK Biopharmaceuticals and SK Biotek to W2.2tr (from W328.7bn previously, based on book value). We think our estimates are conservative, as they only reflect what we could confirm at this stage. We see strong upside potential to our valuation depending on further developments in the pipeline.

We raised SK Biopharmaceuticals' value to roughly W2tr (based on 20x 2019F EPS; discounted by 7.5%) to reflect the likelihood of the new epilepsy drug's commercial production and sales in 2H18.

SK Biotek, which specializes in custom manufacturing services (CMS), became SK Holdings' subsidiary in February 2016 after the holdings company bought a 100% stake in the firm from SK Biopharmaceuticals. As such, we separately incorporated SK Biotek in SK Holdings' NAV, valuing the subsidiary at W218bn (based on 10x 2016F EPS). (Note: SK Biotek was spun off from SK Biopharmaceuticals in April 2015 and recorded revenue of W78.9bn and operating profit of W20.9bn in 2015).

# Maintain Buy and TP of W330,000; Five growth strategies remain on track

We reiterate our Buy call and target price of W330,000 on SK Holdings. Despite our revised valuation of the biotech business, we left our target price unchanged due to 1) our downward revisions to inhouse profits, and 2) the decline in value of stakes in SK Telecom and other subsidiaries.

SK Holdings is focusing on five key areas to support sustainable growth. As part of such efforts, the company has acquired SK Materials to enter the semiconductor materials business and has begun building a fully integrated pharma company (FIPCO) model across the value chain, led by SK Biopharmaceuticals and SK Biotek. As SK Holdings executes its growth strategies, we expect the operating business and subsidiaries to be revalued higher.

FY (Dec.)	12/11	12/12	12/13	12/14F	12/15P	12/16F
Revenue (Wbn)	1,702	2,242	2,302	2,426	39,570	99,362
OP (Wbn)	176	201	225	272	1,403	5,842
OP margin (%)	10.3	9.0	9.8	11.2	3.5	5.9
NP (Wbn)	438	356	189	127	5,346	1,513
EPS (W)	8,765	7,122	3,777	2,546	75,980	20,039
ROE (%)	25.3	15.8	8.4	5.5	42.5	9.3
P/E (x)	13.3	14.5	35.7	83.9	3.2	11.4
P/B (x)	2.4	1.9	2.4	3.6	1.3	1.3

Notes: All figures are based on consolidated K-IFRS; NP refers to profit attributable to controlling interests Source: Company data, KDB Daewoo Securities Research estimates

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Choi Tae-won and related parties 30.9% SK Holdings [034730 KS] 100% 100% SK Biopharmaceuticals (Develop new drugs) SK Biotek (CMS) 100% SK Life Science

Figure 1. SK Group's biotech/pharmaceutical-related governance structure

Source: KDB Daewoo Securities Research

Table 1. SK Biopharmaceuticals' major pipeline

(US)

	Current stage	Details
Sleep-wake disorders (SKL-N05)	Phase 3b clinical trials underway	Signed out-licensing deal with Jazz Pharmaceuticals (US); Plan to go on sale in 2018 Will receive engineering fees during clinical trials (under technology export deal with Jazz) and royalties once drug goes on sale Secured licensing in 12 Asian countries; Plans to engage in direct marketing
Epilepsy (YKP3089)	Completed phase 2b clinical trials, Phase 3b clinical trials underway	Plan to file for FDA approval in 2017 Global release planned for 2018; Direct revenue (approximately W1tr annually) expected
Chronic constipation/ Irritable bowel syndrome (YKP10811)	Phase 2b clinical trials underway	Plan to sign out-licensing deals with global drug companies in 2016
Acute seizures (PLUMIAZ)	Submitted NDA	Signed out-licensing in 2010 with Acorda Therapeutics (US supplier of drugs for central nervous system disorders)
Dementia/ cognitive impairment (SKL 15508)	Phase 2a clinical trials underway	Conducting phase 2a clinical trials independently

Source: KDB Daewoo Securities Research

Table 2. SK Biopharmaceuticals' consolidated income statement (including SK Biotek) (Wbn)

	2011	2012	2013	2014
Revenue	37.6	51.8	60.5	72.4
CMS (SK Biotek)			108.1	113.0
Development of new drugs (SK Biopharm)			10.1	16.1
(adjustment)			-57.8	-56.7
Cost of sales	27.4	37.7	44.4	46.6
Gross profit	10.2	14.1	16.1	25.9
SG&A	32.6	50.1	60.2	65.1
Operating profit	-22.3	-36.0	-44.2	-39.2
OP margin	-59.4%	-69.5%	-73.0%	-54.2%
CMS			4.7	7.8
OP margin			4.4%	6.9%
Development of new drugs			-48.9	-46.7
OP margin			-484.9%	-289.6%
(adjustment)			0.1	-0.3
Financial income	4.9	9.2	6.4	6.2
Financial expenses	1.3	1.4	1.9	2.5
Non-operating income	2.6	1.2	0.3	0.6
Non-operating expenses	4.6	3.0	3.2	1.2
Pretax income	-20.7	-30.0	-42.6	-36.2
Corporate tax	-1.2	0.4	-1.6	0.8
Net profit	-19.5	-30.3	-41.0	-37.0
Source: Dart, KDB Daewoo Securitie	es Research			

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Table 3. SK Holdings' quarterly earnings

(Wbn)

	2015P				2016F					
	1Q	2Q	3Q	4QP	Annual	1QF	2QF	3QF	4QF	Annual
Revenue	641	678	15,358	22,892	39,570	21,772	21,357	21,761	23,640	88,531
Operating profit	77	78	478	770	1,403	1,286	1,394	1,416	1,403	5,499
Pretax profit	248	218	5,252	521	6,239	1,304	1,456	1,326	1,030	5,115
Net profit	194	160	5,021	174	5,549	958	1,070	974	757	3,760
Net profit attributable to controlling interests Net profit attributable	193	160	4,910	84	5,346	419	380	340	271	1,410
to non-controlling interests	1	1	111	90	203	539	690	635	486	2,350

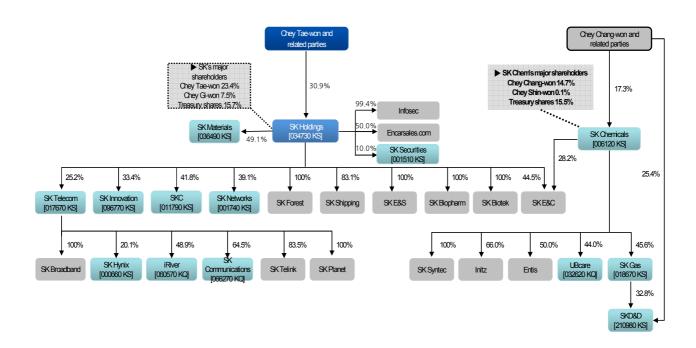
Source: KDB Daewoo Securities Research

Table 4. SK Group's growth framework

	Growth areas	Related companies	Details
ICT	(1) IT services	SK C&C, etc.	- Extend the coverage of IT services, establish overseas footholds through business partnerships, and broaden cloud-based offerings
	(2) ICT convergence	SK C&C, Infosec, NSOK, etc.	- Security convergence platform (information security and physical security) - Expand into security devices (sensors, etc.) as well as biometrics- and video surveillance - related software
	(3) Biotech/ pharmaceuticals	SK Biopharmaceuticals SK Biotek	- Integrate the pharmaceuticals value chain, including R&D, manufacturing, and marketing, by 2018 - Take SK Biopharmaceuticals public in 2018 and acquire drug developers with strong potential
New growth portfolio	(4) LNG	SK E&S	- Integrate and expand LNG value chain in the group; Expand the capacity of LNG business to 5mn tonnes by 2020 - Benefiting from cost advantages (due to direct access to cheap gas in the US and Australia) and captive demand - Expected to partner with a Chinese firm in the near future to secure new business opportunities
	(5) Semiconductor modules/materials	SK, Essencore, SK Materials, SK Hynix, etc.	- Semiconductor module business (Essencore) aims to achieve W1.5tr in revenue by 2019 - Plans to acquire a firm with global technology to secure stable footing in the market

Source: Company data, KDB Daewoo Securities Research

Figure 2. SK Group's corporate governance



Source: KDB Daewoo Securities Research

Table 5. Valuation (Wbn, W)

	Fair value	Notes
1. Operating value	9,822	
In-house businesses (SK C&C)	7,455	
IT services	6,487	- Based on 2016F EBITDA; applied EV/EBITDA of 18.0x
Distribution (Encar)	439	- Based on 2016F NOPLAT; applied 2015F P/E of 20.0x
Security services (Infosec)	207	- Based on 2016F EBITDA; applied P/E of 20.0x
Other (semicon. modules, etc.)	322	- Based on 2016F EBITDA; applied global peer average P/E of 10.9x
Brand royalties (SK Holdings)	2,326	- Based on brand royalty rate of 20bps (contract period: 1/1/2015-12/31/2017
Real estate (SK Holdings)	41	- Investment properties as of 2015
2. Value of investment assets	15,426	
Listed subsidiaries	8,770	- 20% discount based on market price
Unlisted subsidiaries	6,656	- Book value and relative valuation
3. Total asset value (1+2)	25,249	
Net borrowings (-)	5,294	-As of 2015
Treasury shares	3,329	
4. NAV(3+4)	23,284	
Market cap	16,113	
Discount to NAV	30.8%	
5. Number of shares ('000 shares)	70,360	- Total issued shares
NAV per share	330,920	
6. Target price	330,000	
Current price	229,000	- As of Mar. 14, 2016
Upside potential (%)	44.1%	
Source: KDB Daewoo Securities Resea	arch	

Table 6. SK Holdings' investment securities

(Wbn, W)

	Stake	Book value	Current price	Valuation	Notes
Listed subsidiaries				10,962	- As of Mar. 14, 2016
SK Innovation	33.4%	3,073	157,000	4,849	
SK Telecom	25.2%	5,081	215,000	4,378	
SK Networks	39.1%	706	6,390	621	
SKC	42.3%	549	30,600	471	
SK Securities	10.0%	28	1,195	38	
SK Materials	49.1%	470	116,900	605	
Unlisted subsidiaries				6,656	- Applied book value
SK E&S	100%	2,600		3,296	2016F P/E 8.0x
SK Biopharm	100%	205		1,995	2019F P/E 20.0x
SK Biotek	100%	124		218	2016F P/E 10.0x
SK E&C	44.5%	545		240	Based on K-OTC trading price
SK Shipping	83.1%	332		332	
SK Forest	100%	61		61	
Other		513		513	

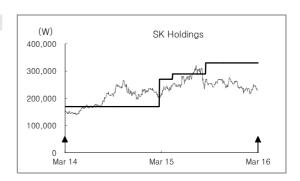
Source: KDB Daewoo Securities Research

# **APPFNDIX 1**

#### **Important Disclosures & Disclaimers**

#### 2-Year Rating and Target Price History

Company (Code)	Date	Rating	Target Price
SK Holdings(034730)	08/30/2015	Buy	330,000
	04/27/2015	Buy	290,000
	03/08/2015	Buy	270,000
	03/07/2014	Buy	170,000



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Stock Ratings Industry Ratings

 $\hbox{Buy} \qquad \hbox{: Relative performance of 20\% or greater} \qquad \qquad \hbox{Overweight} \qquad \hbox{: Fundamentals are favorable or improving}$ 

Trading Buy : Relative performance of 10% or greater, but with volatility Neutral : Fundamentals are steady without any material changes

Hold : Relative performance of -10% and 10% Underweight : Fundamentals are unfavorable or worsening

Sell : Relative performance of -10%

Ratings and Target Price History (Share price (—), Target price (—), Not covered (■), Buy (♠), Trading Buy (■), Hold (●), Sell (◆))

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Buy	Trading Buy	Hold	Sell
71.08%	11.76%	17.16%	0.00%

<sup>\*</sup> Based on recommendations in the last 12-months (as of December 31, 2015)

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