

## Human FASN Knockdown Cell Lysate

**Cat. No.** FASN-344HKCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	WB-validated FASN Knockdown HeLa Cell Lysate
<b>Species</b>	Human
<b>Source</b>	HeLa
<b>Description</b>	The enzyme encoded by this gene is a multifunctional protein. Its main function is to catalyze the synthesis of palmitate from acetyl-CoA and malonyl-CoA, in the presence of NADPH, into long-chain saturated fatty acids. In some cancer cell lines, this protein has been found to be fused with estrogen receptor-alpha (ER-alpha), in which the N-terminus of FAS is fused in-frame with the C-terminus of ER-alpha.
<b>Form</b>	Cell-Tissue Lysis buffer
<b>Molecular Mass</b>	273 kDa
<b>Notes</b>	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
<b>Storage</b>	Store at -20 centigrade for two years.
<b>Concentration</b>	Lot-specific

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<b>Shipping</b>	Blue Ice
<b>Components</b>	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg FASN KD HeLa cell lysate
<b>Protein Families</b>	Druggable Genome
<b>Protein Pathways</b>	Fatty acid biosynthesis, Insulin signaling pathway, Metabolic pathways
<b>Lysate QC</b>	RT-qPCR; Western Blotting (WB)

## GENE INFORMATION

<b>Gene Name</b>	FASN fatty acid synthase [ Homo sapiens (human) ]
<b>Official Symbol</b>	FASN
<b>Synonyms</b>	FASN; fatty acid synthase; FAS; SDR27X1; short chain dehydrogenase/reductase family 27X; member 1; short chain dehydrogenase/reductase family 27X, member 1; OA-519; MGC14367; MGC15706;
<b>Gene ID</b>	2194
<b>mRNA Refseq</b>	NM_004104
<b>Protein Refseq</b>	NP_004095
<b>MIM</b>	600212
<b>UniProt ID</b>	P49327

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