

Human FASN Knockdown Cell Lysate

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

SPECIFICATION

Product Overview	WB-validated FASN Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	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.
Form	Cell-Tissue Lysis buffer
Molecular Mass	273 kDa
Notes	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.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

GENE INFORMATION

Gene Name	FASN fatty acid synthase [Homo sapiens (human)]
Official Symbol	FASN
Synonyms	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;
Gene ID	2194
mRNA Refseq	NM_004104
Protein Refseq	NP_004095
MIM	600212
UniProt ID	P49327

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