

Recombinant Human FASN Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FASN-3610H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FASN MS Standard C13 and N15-labeled recombinant protein (NP_004095) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	273.2 kDa
AA Sequence	MEEVVIAGMSGKLPESENLQEFWDNLIGGVDMVTDDRRWKAGLYGLPRRSGKLG DLSRFDASFFGVHPKQAHTMDPQLRLLLEVITYEAIVDGGINPDSLRTHTGVWVG SGSETSEALSRDPETLVGYSMVGCQRAMMANRLSFFDFRGPISALDTACSSSLMA LQNAYQAIHSGQCPAAIVGGINVLLKPNTSVQFLRLGMLSPEGTCKAFDTAGNGYCR SEGVVAVLLTKKSLARRVYATILNAGTNTDGFKEQGVTFPSGDIQEQLIRSLYQSAGV APESFEYIEAHGTGTKVGDPQELNGITRALCATRQEPLIGSTKSNMGHPEPASGLA ALAKVLLSLEHGLWAPNLHFHSPNPEIPALLDGRLQVVDQPLPVRGGNVGINSFGFG GSNVHIILRPNTQPPAPAPHATLPRLLRASGRTPEAVQKLLEQGLRHSQDLAFLSM

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Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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

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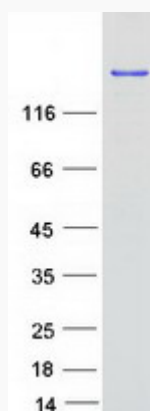
mRNA Refseq NM_004104

Protein Refseq NP_004095

MIM 600212

UniProt ID P49327

SDS-PAGE



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