

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

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

## SPECIFICATION

<b>Product Overview</b>	FASN MS Standard C13 and N15-labeled recombinant protein (NP_004095) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<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>Molecular Mass</b>	273.2 kDa
<b>AA Sequence</b>	MEEVVIAGMSGKLPESENLQEFWDNLIGGVDMVTDDRRWKAGLYGLPRRSGKLK DLSRFDASFFGVHPKQAHTMDPQLRLLLEVTYEAIVDGGINPDSLRTHTGVWVGV SGSETSEALSRDPETLVGYSMVGCQRAMMANRLSFFFDFRGPISALDTACSSSLMA LQNAYQAIHSGQCPAAIVGGINVLLKPNTSVQFLRLGMLSPEGTCKAFDTAGNGYCR SEGVVAVLLTKKSLARRVYATILNAGTNTDGFKEQGVTFPSGDIQEQLIRSLYQSAGV APESFEYIEAHGTGTKVGDQPQLNGITRALCATRQEPLLIGSTKSNMGHPEPASGLA ALAKVLLSLEHGLWAPNLHFHSPNPEIPALLDGRQLQVVDQPLPVRGGNVGINSFGFG GSNVHIILRPNTQPPPAPAPHATLPRLLRASGRTPEAVQKLLLEQGLRHSQDLAFLSM

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LN DIAAVPATAMPFRGYAVLGGGERGGPEVQQVPAGERPLWFICSGMGTQWRGMG  
LSLMRLDRFRDSILRSDEAVKPFGLKVSQLLLSTDESTFDDIVHSFVSLTAIQIGLIDL  
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GGMAFHSYFMEAIAPLLQELKKVIREPKPRSARWLSTSIPEAQWHSSLARTSSAEY  
NVNNLVSPVLFQEALWHVPEHAVVLEIAPHALLQAVLKRGLKPSCTIIPLMKKDHRDN  
LEFFLAGIGRLHLSGIDANPNALFPPVEFPAPRGTP LISPLIKWDHSLAWDVPA AEDF  
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QLPVVFEDVVLHQATILPKTGTVSLEVR LLEASRAFEVSENGNLVVS GKVYQWDDPD  
PRLFDHPESPTPNPTEPLFLAQAEVYKELRLRGYDYGPHFQGILEASLEGDSGRLLW  
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GSAEKRAYLQARFPQLDSTSFANSRDT SFEQHVLWHTGGKGVDLVNSLAE EKLA  
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LVQAGIRDGVVRPLKCTVFHGAQVEDAFRYMAQ GKHIGKVVVQVLAEEPEAVLKGA  
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NSAMERICEKRRHEGLPGLAVQWGAIGDV GILVETMSTNDTIVSGTLPQRMASCLEV  
LDLFLNQPHMVLSSFVLAEKAAAYRDRDSQRDLVEAVAHILGIRD LAAVNLDSSLADL

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GLDSLMSVEVRQTLERELNLVLSVREVRQLTLRKLQELSSKADEASELACPTPKEDG  
 LAQQQTQLNLRSLLVNPEGPTLMRLNSVQSSERPLFLVHPIEGSTTVFHSLASRLSIP  
 TYGLQCTRAAPLDSIHSLAAYYIDCIRQVQPEGPYRVAGYSYGACVAFEMCSQLQA  
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 NRVLEALLPLKGLEERVAAAVDLIIKSHQGLDRQELSFAARSFYKLRAAEQYTPKAK  
 YHGNVMLLRAKTGGAYGEDLGADYNLSQVCDGKVSVHVIEGDHRTLLEGSGLESIIIS  
 IIHSSLAEPRVSVREGTRRLEQKLISEEDLAANDILDYKDDDDKV

**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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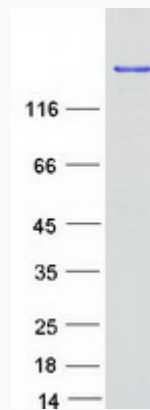
mRNA Refseq [NM\\_004104](#)


Protein Refseq [NP\\_004095](#)

MIM [600212](#)


UniProt ID [P49327](#)

**SDS-PAGE**



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