

Recombinant Mouse Fasn protein, His/Myc-tagged

Cat. No. Fasn-596M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Fasn(2201-2504aa) fused with N-terminal His tag and C-terminal Myc tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	2201-2504aa
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	Tris-based buffer,50% glycerol
Purity	>90% (SDS-PAGE)
Storage	Store at -20 centigrade, for extended storage, conserve at -20 centigrade or -80 centigrade. Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

GENE INFORMATION

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Gene Name	Fasn fatty acid synthase [Mus musculus]
Official Symbol	Fasn
Synonyms	FASN; fatty acid synthase; FAS; A630082H08Rik;
Gene ID	14104
mRNA Refseq	NM_007988
Protein Refseq	NP_032014
MIM	
UniProt ID	P19096
Chromosome Location	11 E2; 11 84.56 cM
Pathway	ChREBP activates metabolic gene expression, organism-specific biosystem; Fatty Acid Biosynthesis, organism-specific biosystem; Fatty Acyl-CoA Biosynthesis, organism-specific biosystem; Fatty acid biosynthesis, organism-specific biosystem; Fatty acid biosynthesis, conserved biosystem; Fatty acid biosynthesis, elongation, organism-specific biosystem; Fatty acid biosynthesis, elongation, conserved biosystem;
Function	3-hydroxypalmitoyl-[acyl-carrier-protein] dehydratase activity; 3-oxoacyl-[acyl-carrier-protein] reductase (NADPH) activity; 3-oxoacyl-[acyl-carrier-protein] synthase activity; [acyl-carrier-protein] S-acetyltransferase activity; [acyl-carrier-protein] S-

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