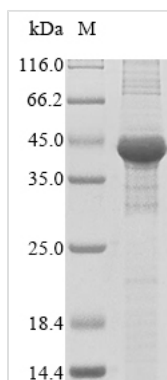




# Recombinant Human Fatty acid synthase (FASN), partial

<b>Product Code</b>	CSB-EP008435HU
<b>Abbreviation</b>	Recombinant Human FASN FAS protein, partial
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P49327
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	DSLMSVEVRQTLERELNLVLSVREVRQLTLRKLQELSSKADEASELACPTPKE DGLAQQQTQLNLRSLVNPEGPTLMRLNSVQSSERPLFLVHPIEGSTTVFHSL ASRLSIPTYGLQCTRAAPLDSIHSLAAYYIDCIRQVQPEGPYRVAGYSYGACVA FEMCSQLQAQQSPAPTHNSLFLFDGSPTYVLAYTQSYRAKLTPGCEAEAETE AICFFVQQFTDMEHNRVLEALLPLKGLEERVAAAVDIIKSHQGLDRQELSFAA RSFYKLRAAEQYTPKAKYHGNVMLLRAKTGGAYGEDLGADYNLSQVCDGKV SVHVIEGDHRTLLEGSGLESIIS
<b>Source</b>	E.coli
<b>Target Names</b>	FASN
<b>Protein Names</b>	Recommended name: Fatty acid synthase EC= 2.3.1.85 Including the following 7 domains: [Acyl-carrier-protein] S-acetyltransferase EC= 2.3.1.38 [Acyl-carrier-protein] S-malonyltransferase EC= 2.3.1.39 3-oxoacyl-[acyl-carrier
<b>Expression Region</b>	2155-2495aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Protein Length</b>	Partial

**Image**



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Description

The production of this recombinant Human FASN protein is just like all recombinant proteins. The process involved transfecting E.coli cells with DNA vector containing the template of recombinant DNA. The E.coli cells containing the template were then cultured so that they could transcribe and translate the FASN protein. N-terminal 6xHis tag was used in the process. The purity is 85% determined by SDS-PAGE.

FASN is a gene providing instructions for making a protein called fatty acid synthase (also known as type I fatty acid synthase) in human. This protein is a multifunctional protein involved acetyl-CoA metabolic process, cellular response to interleukin-4, establishment of endothelial intestinal barrier, and monocyte differentiation. 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. This protein contains 7 catalytic activities and a site for the binding of the prosthetic group 4'-phosphopantetheine of the acyl carrier protein ([ACP]) domain.

## Shelf Life

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