

## FASN Protein, Human (Sf9, His)

Cat. No.:	HY-P701882
Synonyms:	FASN; Fatty acid synthase; Type I fatty acid synthase; [Acyl-carrier-protein] S-acetyltransferase; [Acyl-carrier-protein] S-malonyltransferase; 3-oxoacyl-[acyl-carrier-protein] synthase; 3-oxoacyl-[acyl-carrier-protein] reductase; 3-hydroxyacyl-[acyl-carrier-protein] dehydratase; Enoyl-[acyl-carrier-protein] reductase; Acyl-[acyl-carrier-protein] hydrolase
Species:	Human
Source:	Sf9 insect cells
Accession:	P49327 (Q1109-G1524)
Gene ID:	2194
Molecular Weight:	

### PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	Fatty Acid Synthase (FASN) is a multifunctional enzyme crucial for the de novo biosynthesis of long-chain saturated fatty acids, utilizing acetyl-CoA and malonyl-CoA in the presence of NADPH. This versatile protein possesses seven catalytic activities and a binding site for the prosthetic group 4'-phosphopantetheine of the acyl carrier protein (ACP) domain. Significantly, FASN plays a pivotal role in the replication of SARS coronavirus-2 (SARS-CoV-2), the virus responsible for COVID-19, as its enzymatic activity is required for the viral replication process.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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