

Human FASN Protein, His Tag (active enzyme)

Catalog # FAN-H5143



BIOSYSTEMS
Acro
Surprise Inside!

Synonym

FAS, OA-519, SDR27X1

Source

Human FASN Protein, His Tag(FAN-H5143) is expressed from E. coli cells. It contains AA Leu 2200 - Gly 2511 (Accession # [NP_004095-1](#)).

Predicted N-terminus: Met

Molecular Characterization

Poly-his FASN (Leu 2200 - Gly 2511)
NP_004095-1

This protein carries a polyhistidine tag at the N-terminus.

The protein has a calculated MW of 58.3 kDa. The protein migrates as 34-39 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE).

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Supplied as 0.2 µm filtered solution in 20 mM Tris, 500 mM NaCl, pH7.9 with glycerol as protectant.

Contact us for customized product form or formulation.

Shipping

This product is supplied and shipped with dry ice, please inquire the shipping cost.

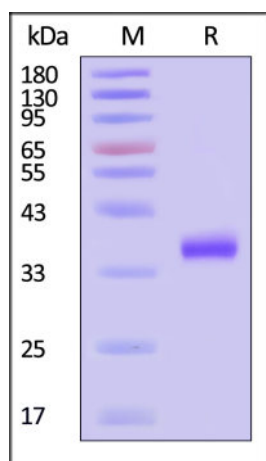
Storage

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 3 months under sterile conditions.

SDS-PAGE



Human FASN Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity

Measured by its ability to hydrolyze 4-methylumbelliferyl heptanoate. The specific activity is >3 pmol/min/µg (QC tested).

Background

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. [provided by RefSeq, Jul 2008]

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