

Recombinant Human SLC27A2 Protein (283-620 aa), His-SUMO-tagged

Cat. No. SLC27A2-814H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC27A2 Protein (283-620 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Metabolism. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	283-620 aa
Description	Acyl-CoA synthetase probably involved in bile acid metabolism. Proposed to activate C27 precursors of bile acids to their CoA thioesters derivatives before side chain cleavage via peroxisomal beta-oxidation occurs. In vitro, activates 3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestanate (THCA), the C27 precursor of cholic acid deriving from the de novo synthesis from cholesterol. Does not utilize C24 bile acids as substrates. In vitro, also activates long- and branched-chain fatty acids and may have additional roles in fatty acid metabolism. May be involved in translocation of long-chain fatty acids (LFCA) across membranes.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	54.8 kDa
AA Sequence	GATLALRTKFSASQFWDDCRKYNVTVIQYIGELRLYLCNSPQKPNDRDHKVRLALGN

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GLRGDVWRQFVKRFGDICIYEFYAATEGNIGFMNYARKVGAVGRVNYLQKKIITYDLI
KYDVEKDEPVRDENGVCVRVPKGEVGLLVCKITQLTPFNGYAGAKAQTEKKLRDV
FKKGDLYFNSGDLLMVDHENFIYFHDRVGDTRWKGENVATTEVADTVGLVDFVQE
VNVYGVHVPDHEGRIGMASIKMKENHEFDGKKLFQHIADYLP SYARPRFLRIQDTIEI
TGTFKHRKMTLVEEGFNPAVIKDALYFLDDTAKMYVPMTEDIYNAISAKTLKL

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage 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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name SLC27A2 solute carrier family 27 (fatty acid transporter), member 2 [Homo sapiens]

Official Symbol SLC27A2

Synonyms SLC27A2; FACVL1; ACSVL1; FATP2; hFACVL1; HsT17226; VLACS; VLCS; FATP-2;

Gene ID 11001

mRNA Refseq NM_001159629

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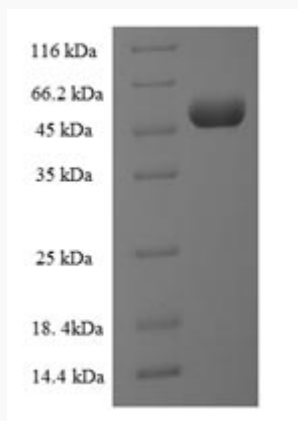
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Protein Refseq [NP_001153101](#)

MIM [603247](#)

UniProt ID [O14975](#)



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

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