

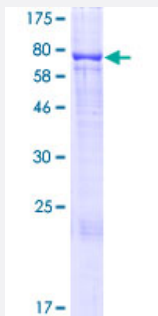
Full-Length

SLC27A2 (Human) Recombinant Protein (P01)

Catalog # H00011001-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SLC27A2 full-length ORF (AAH57770.1, 1 a.a. - 567 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MLSAITYVLAGLLFLPLLNLCCPYFFQDIGYFLKVAAGRRVRSYGKRRPARTILRAFLEKARQTP
HKPFLFRDETLTYAQVDRRSNQVARALHDHLGLRQGDCVALLMGNEPAYVWLWGLVKLGCA
MACLNYNIRAKSLLHCFQCCGAKVLLVSPELQAAVEEILPSLKKDDVSIYYVSRTSNTDGIDSFLDK
VDEVSTPIPESWRSEVTFSTPALYYTSGTTGATLALRTKFSASQFWDDCRKYNVTVIQYIGELLRY
LCNSPQKPNDRDHKVRLALGNGLRGDVWRQFVKRFGDICIEFYAATEGNIGFMNYARKVGAVG
RVNYLQKKIITYDLIKYDVEKDEPVRDENGVCVRVPKGEVGLLVCKITQLTPFNGYAGAKAQTEKKK
LRDVFKKGDLYFNSGDLLMVDHENFIYFHDRVGDTRWKGENVATTEVADTVGLVDFVQEVNVY
GVHVPDHEGRIGMASIKMKENHEFDGKKLFQHIADYLPYARPRFLRIQDTIEITGTFKHKMTLVE
EGFNPAVIKDALYFLDDTAKMYVPMTEIDYNAISAKTLKL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

91

Interspecies Antigen Sequence

Mouse (76); Rat (76)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SLC27A2

Entrez GeneID	11001
GeneBank Accession#	BC057770.1
Protein Accession#	AAH57770.1
Gene Name	SLC27A2
Gene Alias	ACSVL1, FACVL1, FATP2, HsT17226, VLACS, VLCS, hFACVL1
Gene Description	solute carrier family 27 (fatty acid transporter), member 2
Omim ID	603247
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene is an isozyme of long-chain fatty-acid-coenzyme A ligase family . Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. This isozyme activates long-chain, branched-chain and very-long-chain fatty acids containing 22 or more carbons to their CoA derivatives. It is expressed primarily in liver and kidney, and is present in both endoplasmic reticulum and peroxisomes, but not in mitochondria. Its decreased peroxisomal enzyme activity is in part responsible for the biochemical pathology in X-linked adrenoleukodystrophy. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
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Other Designations

very long-chain fatty-acid-coenzyme A ligase 1|very-long-chain acyl-CoA synthetase

Pathway

- [PPAR signaling pathway](#)

Disease

- [Alzheimer Disease](#)