

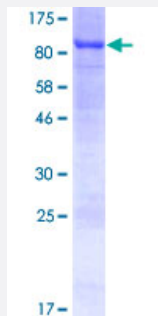
Full-Length

SLC27A5 (Human) Recombinant Protein (P01)

Catalog # H00010998-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SLC27A5 full-length ORF (AA48808.1, 1 a.a. - 690 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGVRQQLALLLLLLLLLWGLGQPVPVAVALTLRWLLGDPTCCVLLGLAMLARPWLGPWVPHG
LSLAAAALALTLLPARLPPGLRWLPADVIFLAKILHLGLKIRGCLSRQPPDTFVDAFERRARAQPGR
ALLVWTGPGAGSVTFGELDARACQAAWALKAE LGDPASLCAGEPTALLVLASQAVPALCMWLG
LAKLGCP TAWINPHGRGMPLAHSVLSSGARVLVDPDLRESLEEILPKLQAENIRCFYLSHTSPTP
GVGALGAALDAAPSHVPADLRAGITWRSPALFYTS GTTGLPKPAILTHERVLQMSKMLSLSGAT
ADDVVYTVLPLYHVMGLVVGILGCLDLGATCVLAPKFSTSCFWDDCRQHGVTVILYV GELLRYLC
NIPQQPEDRTHTVRLAMGNGLRADVWETFQQRFGPIRWEVYGSTEGNMGLVNYVGRCGALGKM
SCLLRMLSPFELVQFDMEAAEPVRDNQGF CIPVGLGEPGLLLTKVVSQQPFVGYRGPRELSEK
LVRNVRQSGDVYYNTGDVLAMDREGFLYFRDRLGDTFRWKGENVSTHEVEGVLSQVDFLQQVN
VYGVCVPGCEGKVGMAAVQLAPGQTFDGEKLYQHVRWLPA YATPHFIRIQDAMEVTSTFKLMK
TRLVREGFNVMVDPLFVLDNRAQSFRPLTAEMYQAVCEGTWRL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

102.85

Interspecies Antigen Sequence

Mouse (71); Rat (71)

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 — SLC27A5

Entrez GeneID	10998
GeneBank Accession#	BC148807
Protein Accession#	AA48808.1
Gene Name	SLC27A5
Gene Alias	ACSB, ACSVL6, FACVL3, FATP5, FLJ22987, VLACSR, VLCS-H2, VLCSH2
Gene Description	solute carrier family 27 (fatty acid transporter), member 5
Omim ID	603314
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is an isozyme of very long-chain acyl-CoA synthetase (VLCS). It is capable of activating very long-chain fatty-acids containing 24- and 26-carbons. It is expressed in liver and associated with endoplasmic reticulum but not with peroxisomes. Its primary role is in fatty acid elongation or complex lipid synthesis rather than in degradation. This gene has a mouse ortholog. [provided by RefSeq]

Other Designations

fatty-acid-Coenzyme A ligase, very long-chain 3|very long-chain acyl-CoA synthetase homolog 2|very long-chain acyl-CoA synthetase-related protein

Pathway

- [Metabolic pathways](#)
- [PPAR signaling pathway](#)
- [Primary bile acid biosynthesis](#)

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)