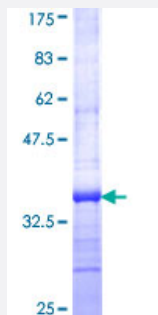


# SLC27A5 (Human) Recombinant Protein (Q01)

Catalog # H00010998-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human SLC27A5 partial ORF ( NP_036386, 90 a.a. - 175 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	DVIFLAKILHLGLKIRGCLSRQPPDTFVDAFERRARAQPGRALLVWTGPGAGSVTFGELDARACQ AAWALKAELGDPASLCAGEPT
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	35.2
<b>Interspecies Antigen Sequence</b>	Mouse (71); Rat (71)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	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	<a href="#">10998</a>
GeneBank Accession#	<a href="#">NM_012254</a>
Protein Accession#	<a href="#">NP_036386</a>
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	<a href="#">603314</a>
Gene Ontology	<a href="#">Hyperlink</a>
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](#)