

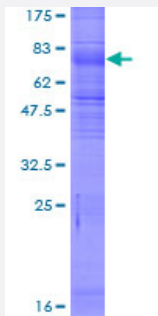
Full-Length

SLC7A7 (Human) Recombinant Protein (P02)

Catalog # H00009056-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SLC7A7 full-length ORF (AAH03062.1, 1 a.a. - 511 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MVDSTEYEVASQPEVETSPLGDGASPGPEQVKLKKEISLLNGVCLVGNMIGSGIFVSPKGVLIYS
ASFGLSLVIWAVGGLFSVFGALCYAELGTTIKKSGASYAYILEAFGGFLAFIRLWTSLLIEPTSQAIAI
TFANYMVQPLFPSCFAPYAASRLAAACICLLTFINCAVVKWGTLVQDIFTYAKVLALIAVIVAGVRL
GQGASTHFENSFEGSSFAVGDIALLYSALFSYSGWDTLNYVTEEIKNPERNLPLSIGISMPITIIYL
TNVAYYTVLDMRDILASDAVAVTFADQIFGFNWIPLSVALSCFGGLNASIVAASRLFFVGSREGHL
PDAICMIHVERFTPVPSLLFNGIMALMLCVEDIFQLINYYSFSYWFFVGLSIVGQLYLRWKEPDRPRP
LKLSVFFPVPFCLCTIFLVAVPLYSDTINSLIGIAIALSGLPFYFLIRVPEHKRPLYLRRVGSATRYLQVL
CMSVAAEMDLEDGGEMPKQRDPKSN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

82.4

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 — SLC7A7

Entrez GeneID[9056](#)**GeneBank Accession#**[BC003062.2](#)**Protein Accession#**[AAH03062.1](#)**Gene Name**

SLC7A7

Gene Alias

LAT3, LPI, MOP-2, Y+LAT1, y+LAT-1

Gene Description

solute carrier family 7 (cationic amino acid transporter, y+ system), member 7

Omim ID[222700 603593](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is the light subunit of a cationic amino acid transporter. This sodium-independent transporter is formed when the light subunit encoded by this gene dimerizes with the heavy subunit transporter protein SLC3A2. This transporter is found in epithelial cell membranes where it transfers cationic and large neutral amino acids from the cell to the extracellular space. Defects in this gene are a cause of lysinuric protein intolerance (LPI). Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000164491|OTTHUMP00000164492|OTTHUMP00000164494|monocyte amino acid permease 2|solute carrier family 7 member 7|y(+)L-type amino acid transporter 1

Disease

- [Kidney Failure](#)
- [Tobacco Use Disorder](#)