

Recombinant Full Length Human SLC7A5 Protein, GST Tagged

Cat. No. SLC7A5-22HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	Wheat Germ (in vitro)
ProteinLength	1-507 aa
Description	Enables L-amino acid transmembrane transporter activity and secondary active transmembrane transporter activity. Involved in carboxylic acid transport; thyroid hormone transport; and xenobiotic transport. Located in several cellular components, including apical plasma membrane; cytosol; and microvillus membrane. Part of amino acid transport complex. Implicated in cholangiocarcinoma; colon cancer; hepatocellular carcinoma; and lung squamous cell carcinoma. Biomarker of esophagitis; gastrointestinal system cancer (multiple); malignant astrocytoma (multiple); and respiratory system cancer (multiple).
Molecular Mass	81.40000000000001 kDa
AA Sequence	MAGAGPKRRALAAPAAEEKEEAREKMLAAKSADGSAPAGEGEGVTLQRNITLLNGV AIIVGTIIGSGIFVTPTGVLKEAGSPGLALVWAAACGVFSIVGALCYAELGTTISKSGGD YAYMLEVYGSLPAFLKLWIELLIIRPSSQYIVALVFATYLLKPLFPTCPVPEEAAKL LCVLLLTAVNCYSVKAATRVQDAFAAAKLLALALIILLGFVQIGKGDVSNLDPNFSFEG TKLDVGNIVLALYSGLFAYGGWNYLNFVTEEMINPYRNLPLAIIISLPVTLVYVLTNLA YFTTLSTEQMLSSEAVAVDFGNYHLGVMSWIIPVFVGLSCFGSVNGSLFTSSRLFFV

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GSREGHLPSILSMIHPQLLTPVPSLVFTCVMTLLYAFSKDIFSVINFFSFFNWLCVALAI
IGMIWLRHRKPELERPIKVNALPVPFFILACFLIAVSFWKTPVECGIGFTIILSGLPVYF
FGVWWKNKPKWLLQGIFSTTVLCQKLMQVVPQET

**Quality Control
Testing**

12.5% SDS-PAGE Stained with Coomassie Blue

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

SLC7A5 solute carrier family 7 member 5 [Homo sapiens (human)]

Official Symbol

SLC7A5

Synonyms

SLC7A5; solute carrier family 7 member 5; E16; CD98; LAT1; 4F2LC; MPE16;
D16S469E; large neutral amino acids transporter small subunit 1; 4F2 light chain;
CD98 light chain; L-type amino acid transporter 1; integral membrane protein E16;
sodium-independent neutral amino acid transporter LAT1; solute carrier family 7
(amino acid transporter light chain, L system), member 5; solute carrier family 7
(cationic amino acid transporter, y+ system), member 5

Gene ID

8140

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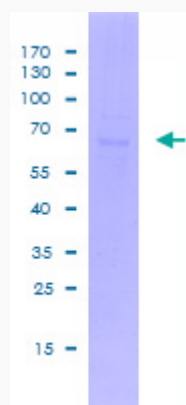
mRNA Refseq [NM_003486](#)

Protein Refseq [NP_003477](#)

MIM [600182](#)

UniProt ID [Q96QB2](#)

SDS-PAGE



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