

Recombinant Human SLC7A7 Protein (V2-N511), 8×His-MBP, Flag tagged

Cat. No. SLC7A7-0603H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 8His-MBP-TEV-(GG)-SLC7A7(V2-N511)-Flag Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	V2-N511
Description	Involved in the sodium-independent uptake of dibasic amino acids and sodium-dependent uptake of some neutral amino acids. Requires coexpression with SLC3A2/4F2hc to mediate the uptake of arginine, leucine and glutamine. Plays a role in nitric oxide synthesis in human umbilical vein endothelial cells (HUVECs) via transport of L-arginine. Involved in the transport of L-arginine in monocytes.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	85%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.

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Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Formulation:
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	SLC7A7 solute carrier family 7 (amino acid transporter light chain, y+L system), member 7 [Homo sapiens (human)]
Official Symbol	SLC7A7
Synonyms	SLC7A7; solute carrier family 7 (amino acid transporter light chain, y+L system), member 7; LPI; Y+L amino acid transporter 1; y+LAT 1; monocyte amino acid permease 2; y(+)-L-type amino acid transporter 1; solute carrier family 7 (cationic amino acid transporter, y+ system), member 7; LAT3; MOP-2; Y+LAT1; y+LAT-1;
Gene ID	9056
mRNA Refseq	NM_001126105
Protein Refseq	NP_001119577
MIM	603593
UniProt ID	Q9UM01

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