

Active Recombinant Human SLC7A11 Full Length Transmembrane protein, His-tagged

Cat. No. SLC7A11-2957H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC7A11 protein(Q9UPY5)(1-501aa), fused with N-terminal His tag, was expressed in in vitro E. coli expression system.
Species	Human
Source	E.coli
ProteinLength	1-501aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Human SLC7A11 at 2 µg/mL can bind Anti-SLC7A11 recombinant antibody, the EC50 is 9.452-13.79 ng/mL.
Molecular Mass	58.2 kDa
AA Sequence	MVRKPVVSTISKGGYLQGNVNGRLPSLGNKEPPGQEKVQLKRKVTLLRGVSIIGTII GAGIFISPKGVLQNTGSGVMSLTIWTVCGVLSLFGALSYAELGTTIKKSGGHYTYILEV FGPLPAFVRVWVELLIIRPAATAVISLAFGRYILEPFFIQCEIPELAIKLITAVGITVVMVL NSMSVSWSARIQIFLTFCCKLTAILIIIVPGVMQLIKGQTQNFKDAFSGRDSSITRLPLAF

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YYGMYAYAGWFYLNQVTEEEVENPEKTIPLAICISMAIVTIGYVLTNVAYFTTINAEELL
 SNAVAVTFSERLLGNFSLAVPIFVALSCFGSMNGGVFAVSRLFYVASREGHLPEILS
 MIHVRKHTPLPAVIVLHPLTMIMLFSGDLDSLLNFLSFARWLFGLAVAGLIYLRYPKCP
 DMHRPFKVPLFIPALFSFTCLFMVALSLYSDPFSTGIGFVITLTGVPAYYLFIIWDKKPR
 WFRIMSEKITRTLQIILEVVPEDKL

Purity Greater than 90% as determined by SDS-PAGE.

Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.

Reconstitution Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

GENE INFORMATION

Gene Name SLC7A11 solute carrier family 7 (anionic amino acid transporter light chain, xc-system), member 11 [Homo sapiens]

Official Symbol SLC7A11

Synonyms SLC7A11; solute carrier family 7 (anionic amino acid transporter light chain, xc-system), member 11; cystine/glutamate transporter; xCT; amino acid transport system xc-; solute carrier family 7 member 11; calcium channel blocker resistance protein CCB1; solute carrier family 7, (cationic amino acid transporter, y+ system) member 11; CCB1;

Gene ID 23657

mRNA Refseq NM_014331

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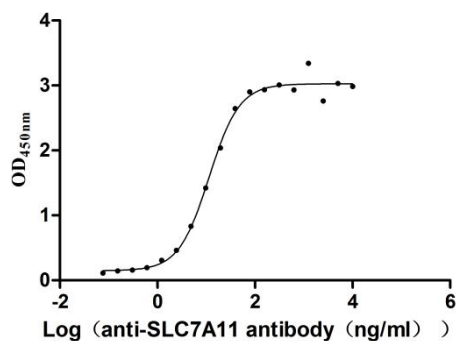
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Protein Refseq NP_055146

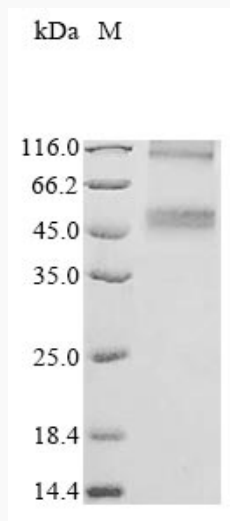
MIM 607933

UniProt ID Q9UPY5

Activity



SDS-PAGE



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