

Cystine/glutamate transporter (SLC7A11) Recombinant Protein | SLC7A11 recombinant protein

Recombinant Human Cystine/glutamate transporter (SLC7A11)(Active)

CATALOG # AAA279391	HOST E coli (in vitro)
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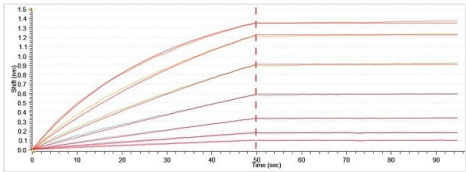
PRODUCT SYNONYMS

Cystine/glutamate transporter (SLC7A11); Recombinant Human Cystine/glutamate transporter (SLC7A11)(Active); Amino acid transport system xc- (Calcium channel blocker resistance protein CCB1)(Solute carrier family 7 member 11)(xCT); SLC7A11 recombinant protein

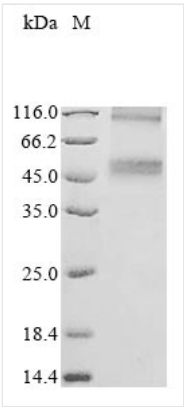
PRODUCT SPECIFICATIONS

Host	E coli (in vitro)
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Liquid or Lyophilized powder. 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.
Sequence	MVRKPVVSTI SKGGYLQGNV NGRLP SLGNK EPPGQEKVQL KRKVTLLRGV SIIIGTIIGA GIFISPKGVL QNTGSVGMSL TIWTVCGVLS LFGALSYAEL GTTIKKSGGH YTYILEVFPG LPAFVRVWVE LLIIRPAATA VISLAFGRYI LEPFFIQCEI PELA IKLITA VGITVVMVLN SMSVSW SARI QIFLTFCKLT AILIIIVPGV MQLIKGQTQN FKDAFSGRDS SITRLPLAFY YGMYAYAGWF YLNFVTEEEVE NPEKTIPLAI CISMAIVTIG YVL TNVAYFT TINAEELLS NAVAVTF SER LLGNFSLAVP IFVALSCFGS MNGGVFAVSR LFYVASREGH LPEILSMIHV RKHTPLPAVI VLHPLTMIML FSGDLDSL N FLSFARWLFI GLAVAGLIYL RYKCPDMHRP FKVPLFIPAL FSFTCLFMVA LSLYSDPFST GIGFVITLTG VPAYYLFIIW DKKPRWFRIM SEKITRTLQI ILEVVP EEDK L
Sequence Length	1-501aa; Full Length
Species	Homo sapiens (Human)
Tag	N-terminal 10xHis-tagged
Transmembrane Domain	12TM
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human SLC7A11 at 2ug/mL can bind Anti-SLC7A11 recombinant antibody , the EC50 is 9.452-13.79ng/mL.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. 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 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Notes: Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

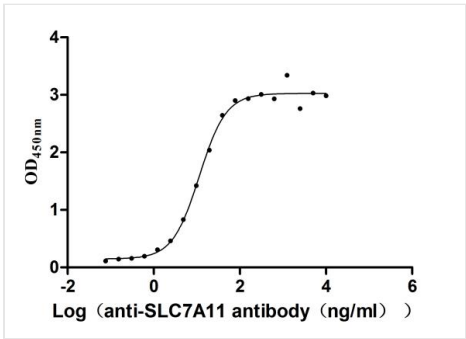
IMAGES



LC-MS
Loaded Anti-Human SLC7A11 Antibody on 96-Flat plate, can bind Human SLC7A11, with an affinity constant of 71 pM as determined in BLI assay (Gator Prime).



SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Bioactivity

ADDITIONAL INFORMATION

Product Categories/Family for SLC7A11 recombinant protein	Cell Biology
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7657683
NCBI GeneID	23657
NCBI Accession #	NP_055146.1
NCBI GenBank Nucleotide #	NM_014331.3
UniProt Accession #	Q9UPY5; A8K2U4
Molecular Weight	55,423 Da
NCBI Official Full Name	cystine/glutamate transporter
NCBI Official Synonym Full Names	solute carrier family 7 (anionic amino acid transporter light chain, xc- system), member 11
NCBI Official Symbol	SLC7A11
NCBI Official Synonym Symbols	xCT; CCBR1
NCBI Protein Information	cystine/glutamate transporter; amino acid transport system xc-; calcium channel blocker resistance protein CCBR1; solute carrier family 7 member 11; solute carrier family 7, (cationic amino acid transporter, y+ system) member 11
UniProt Protein Name	Cystine/glutamate transporter

UniProt Gene Name	SLC7A11
UniProt Entry Name	XCT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/slc7a11-recombinant-protein-e-coli/279391>