

Recombinant Full Length Human SLC7A11 Protein, GST-tagged

Cat. No. SLC7A11-481HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SLC7A11(1 a.a. - 501 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	501 amino acids
Description	This gene encodes a member of a heteromeric, sodium-independent, anionic amino acid transport system that is highly specific for cysteine and glutamate. In this system, designated Xc(-), the anionic form of cysteine is transported in exchange for glutamate. This protein has been identified as the predominant mediator of Kaposi sarcoma-associated herpesvirus fusion and entry permissiveness into cells. Also, increased expression of this gene in primary gliomas (compared to normal brain tissue) was associated with increased glutamate secretion via the XCT channels, resulting in neuronal cell death
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	81.8 kDa
AA Sequence	MVRKPVVSTI SKGGYLQGNV NGRLP SLGNK EPPGQEKVQL KRKVTLLRGV SIIIGTIIGA GIFISPKGVL QNTGSVGM SL TIWTVCGVLS LFGALSYAEL

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 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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GTTIKKSGGH YTYILEVFGP LPAFVRVWVE LLIIRPAATA VISLAFGRYI
LEPFFIQCEI PELAIKLITA VGITVVMVLN SMSVSWARI QIFLTFCCKLT AILIIIVPGV
MQLIKGQTQN FKDAFSGRDS SITRLPLAFY YGMAYAGWF YLNFVTEEEVE
NPEKTIPLAI CISMAIVTIG YVLTNVAYFT TINAEELLS NAVAVTFSER
LLGNFSLAVP IFVALSCFGS MNGGVFAVSR LFYVASREGH LPEILSMIHV
RKHTPLPAVI VLHPLTMIML FSGDLDLLN FLSFARWLFI GLAVAGLIYL
RYKCPDMHRP FKVPLFIPAL FSFTCLFMVA LSLYSDPFST GIGFVITLTG
VPAYYLFIIW DKKPRWFRIM SEKITRTLQI ILEVVPEDK L

Applications

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

Storage

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

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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Protein Refseq	NP_055146
MIM	607933
UniProt ID	Q9UPY5

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