

Recombinant Full length Human solute carrier family 3 member 2 Protein, Flag tagged

Cat. No. SLC3A2-18HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2 (SLC3A2), transcript variant 3 with C-Myc/DDK tag was expressed in HEK293T.
Species	Human
Source	HEK293
ProteinLength	1-630aa
Description	This gene is a member of the solute carrier family and encodes a cell surface, transmembrane protein. The protein exists as the heavy chain of a heterodimer, covalently bound through di-sulfide bonds to one of several possible light chains. The encoded transporter plays a role in regulation of intracellular calcium levels and transports L-type amino acids. Alternatively spliced transcript variants, encoding different isoforms, have been characterized.
Tag	C-Flag
Molecular Mass	67.8 kDa
AA Sequence	MELQPPEASIAVVSIPRQLPGSHSEAGVQGLSAGDDSELGSHCVAQTGLELLASGD PLPSASQNAEMIETGSDCVTQAGLQLLASSDPPALASKNAEVTGTMSQDTEVDMKE VELNELEPEKQPMNAASGAAMSLAGAENGLVKIKVAEDEAEAAAAAKFTGLSKEEL

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LKVAGSPGWVRTRWALLLLFWLWLGWLGMLAGAVVIIVRAPRCRELPAQKWWHTGAL
 YRIGDLQAFQGHGAGNLAGLKGRLDYLSLKVKGLVLGPIHKNQKDDVAQTDLQID
 PNFGSKEDFDSLLQSAAKKSIRVILDLTTPNYRGENSWFSTQVDTVATKVKDALEFWL
 QAGVDGFQVRDIENLKDASSFLAEWQNITKGFSEDRLLIAGTNSSDLQQILSLLESNK
 DLLLTSYLSDSGSTGEHTKSLVTQYLNATGNRWCSWSLSQARLLTSFLPAQLRLY
 QLMLFTLPGTPVFSYGDEIGLDAAALPGQPMEAPVMLWDESSFPDIPGAVSANMTV
 KGQSEDPGSLLSLFRRLSDQRSKERSLLHGDFHAFSAGPGLFSYIRHWDQNERFLV
 VLNFGDVGLSAGLQASDLPASASLPAKADLLLSTQPGREEGSPLELERLKLEPHEGL
 LLRFPYAASGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Notes For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Stability Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade.

Concentration >0.05 µg/µL as determined by microplate BCA method

Storage Buffer 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

GENE INFORMATION

Gene Name SLC3A2 solute carrier family 3 member 2 [Homo sapiens (human)]

Official Symbol SLC3A2

Synonyms SLC3A2; solute carrier family 3 member 2; 4F2; CD98; MDU1; 4F2HC; 4T2HC;

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NACAE; CD98HC; amino acid transporter heavy chain SLC3A2; 4F2 cell-surface antigen heavy chain; CD98 heavy chain; antigen defined by monoclonal antibody 4F2, heavy chain; antigen identified by monoclonal antibodies 4F2, TRA1.10, TROP4, and T43; lymphocyte activation antigen 4F2 large subunit; monoclonal antibody 44D7; solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2; solute carrier family 3 (amino acid transporter heavy chain), member 2

Gene ID [6520](#)

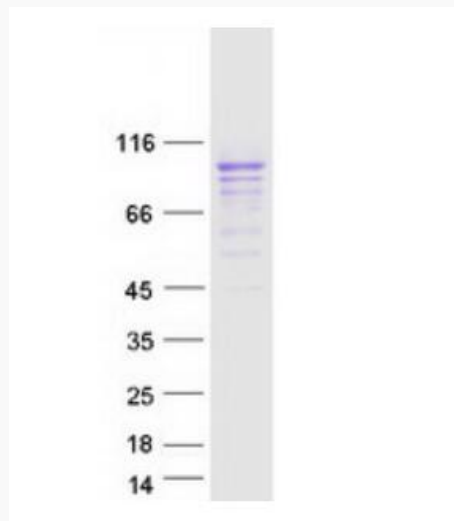
mRNA Refseq [NM_002394](#)

Protein Refseq [NP_002385](#)

MIM [158070](#)

UniProt ID [P08195](#)

SDS-PAGE



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