

Recombinant Human SLC3A2 Protein, His-tagged

Cat. No. SLC3A2-229H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC3A2(206-630aa) fused with His tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	206-630aa
Description	SLC3A2, also known as 4F2 cell-surface antigen heavy chain isoform c, is a single-pass type I I membrane protein which belongs to the SLC3A transporter family. It is expressed ubiquitously in all tissues tested with highest levels detected in kidney, placenta and testis and weakest level in thymus. This protein is required for the function of light chain amino-acid transporters and also involved in sodium-independent, high-affinity transport of large neutral amino acids such as phenylalanine, tyrosine, leucine, arginine and tryptophan. This protein involved in guiding and targeting of LAT1 and LAT2 to the plasma membrane.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	47.9kDa (434aa) 40-57kDa (SDS-PAGE under reducing conditions)
AA Sequence	ADPRAPRCRE LPAQKWWHTG ALYRIGDLQA FQGHGAGNLA GLKGRLDYLS SLKVKGGLVLG PIHKNQKDDV AQTDLLQIDP NFGSKEDFDS LLQSAKKKSI RVILDLPNY RGENSWFSTQ VDTVATKVKD ALEFWLQAGV

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DGFQVRDIEN LKDASSFLAE WQNITKGFSE DRLLIAGTNS
 SDLQQILSLL ESNKDLLLTS SYLSDSGSTG EHTKSLVTQY LNATGNRWCS
 WSLSQARLLT SFLPAQLLRL YQLMLFTLPG TPVFSYGDEI
 GLDAAALPGQ PMEAPVMLWD ESSFPDIPGA VSANMTVKGQ SEDPGSLLSL
 FRRLSDQRSK ERSLLHGDFH AFSAGPGLFS YIRHWDQNER
 FLVVLNFGDV GLSAGLQASD LPASASLPK ADLLLSTQPG REEGSPLELE
 RLKLEPHEGL LLRFPYAAHH HHHH

Purity > 95% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Absorbance at 280)

GENE INFORMATION

Gene Name SLC3A2 solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2 [Homo sapiens]

Official Symbol SLC3A2

Synonyms SLC3A2; solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2; MDU1; 4F2 cell-surface antigen heavy chain; 4F2; 4F2 cell surface antigen heavy chain; 4F2 heavy chain; 4F2HC; 4T2HC; antigen defined by monoclonal 4F2; antigen identified by monoclonal antibodies 4F2; TRA1.10; TROP4; and T43; CD98; CD98 heavy chain; CD98HC; heavy chain; lymphocyte activation antigen 4F2 large subunit; monoclonal 44D7; NACAE; antigen defined by monoclonal

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4F2, heavy chain; antigen identified by monoclonal antibodies 4F2, TRA1.10, TROP4, and T43;

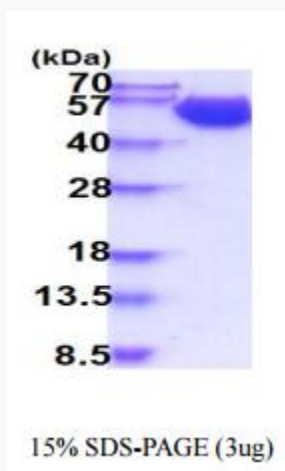
Gene ID [6520](#)

mRNA Refseq [NM_002394](#)

Protein Refseq [NP_002385](#)

MIM [158070](#)

UniProt ID [P08195](#)



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