

Recombinant Human SLC3A2

Cat. No. SLC3A2-26956TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human CD98 with N terminal proprietary tag; predicted MWt: 37.73 kDa including the tag.
Species	Human
Source	Wheat Germ
ProteinLength	110 amino acids
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.
Molecular Weight	37.730kDa inclusive of tags
Tissue specificity	Expressed ubiquitously in all tissues tested with highest levels detected in kidney, placenta and testis and weakest level in thymus. During gestation, expression in the placenta was significantly stronger at full-term than at the mid-trimester stage. Exp
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	IIVRAPRCRELPAQKWWHTGALYRIGDLQAFQGHGAGNLA GLKGRLDYLSLKVKG LVLGPIHKNQKDDVAQTDLLQIDP NFGSKEDFDSLLQSAKKKSIRVILD LTPNY
Sequence Similarities	Belongs to the SLC3A transporter family.

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;
Gene ID	6520
mRNA Refseq	NM_001012662
Protein Refseq	NP_001012680
MIM	158070

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Uniprot ID	P08195
Chromosome Location	11q12-q22
Pathway	Amino acid transport across the plasma membrane, organism-specific biosystem; Basigin interactions, organism-specific biosystem; Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem;
Function	calcium:sodium antiporter activity; catalytic activity; cation binding; neutral amino acid transmembrane transporter activity; protein binding;

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