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Datasheet for ABIN7520521
SLC3A2 Protein

Overview

Quantity:	50 µg
Target:	SLC3A2
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Active Recombinant Human SLC3A2/CD98 Protein
Sequence:	RAPRCRELPA QKWWHTGALY RIGDLQAFQG HGAGNLAGLK GRLDYLSSLK VKGLVLGPIH KNQKDDVAQT DLLQIDPNFG SKEDFDSLLQ SAKKKSIRVI LDLTPNYRGE NSWFSTQVDT VATKVKDALE FWLQAGVDGF QVRDIENLKD ASSFLAEWQN ITKGFSEDRL LIAGTNSSDL QQILSLESN KDLLLTSSYL SDSGSTGEHT KSLVTQYLNA TGNRWCSWSL SQARLLTSFL PAQLLRLYQL MLFTLPGTPV FSYGDEIGLD AAALPGQPM EAPVMLWDESS FPDIPGAVSA NMTVKGQSED PGSLLSLFRR LSDQRSKERS LLHGDFHAFS AGPGLFSYIR HWDQNERFLV VLNFGDVGLS AGLQASDLPA SASLPAKADL LLSTQPGREE GSPLELERLK LEPHEGLLLR FPYAA
Specificity:	Arg206-Ala630
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 1.0 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human SLC3A2 Protein at 5 µ

Product Details

g/mL (100 µL/well) can bind ITGB1 with a linear range of 0.0195-1.216 µg/mL.

Target Details

Target: SLC3A2

Alternative Name: SLC3A2/CD98 ([SLC3A2 Products](#))

Background: Description: This protein 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. Name: 4F2, 4F2HC, 4T2HC, CD98, CD98HC, MDU1, NACAE,SLC3A2,4F2HC,4T2HC,CD98,CD98HC,MDU1,NACAE

Gene ID: 6520

UniProt: [P08195](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Buffer: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

Storage: -20 °C,-80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.