

Recombinant Human SLC3A2/CD98 Protein

Catalog No.: RP00014 **Recombinant** **1 Publications**

Sequence Information

Species	Gene ID	Swiss Prot
Human	6520	P08195

Tags

No tag

Synonyms

4F2; 4F2HC; 4T2HC; CD98; CD98HC; MDU1; NACAE; SLC3A2; 4F2HC; 4T2HC; CD98; CD98HC; MDU1; NACAE

Product Information

Source	Purification
Baculovirus-Infected Sf9 Cells	> 97% by SDS-PAGE.

Calculated MW	Observed MW
46.85 kDa	45 kDa

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

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.

Contact

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Background

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.

Basic Information

Description

Recombinant Human SLC3A2/CD98 Protein is produced by insect cell-baculovirus expression system. The target protein is expressed with sequence (Arg206-Ala630) of human SLC3A2 (Accession #NP_002385.3).

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human SLC3A2 Protein at 5 μg/mL (100 μL/well) can bind ITGB1 with a linear range of 0.0195-1.216 μg/mL.

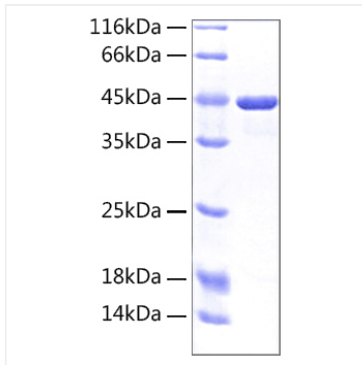
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

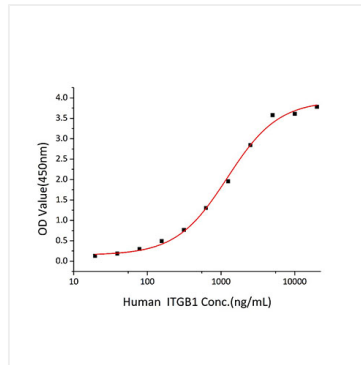
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human SLC3A2/CD98 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 45 kDa.



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