

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;CD9
 8HC;MDU1;NACAE

Product Information

Source **Purification**
 Baculovirus-Infected ≥ 95 % as
 Sf9 Cells determined by SDS-
 PAGE.

Calculated MW **Observed MW**
 46.85 kDa 45 kDa

Endotoxin
 < 1 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 freeze/thaw cycles.

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.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

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.

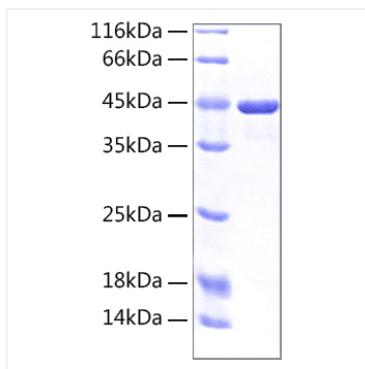
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

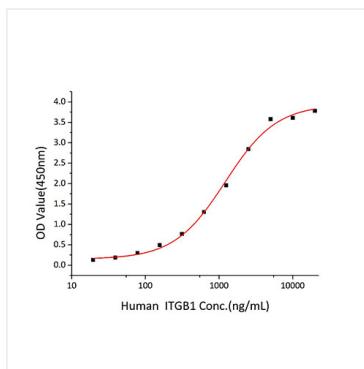
Contact

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Validation Data



Recombinant Human SLC3A2/CD98 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Recombinant Human SLC3A2/CD98 Protein at 5 μg/mL (100 μL/well) can bind ITGB1 with a linear range of 0.0195-1.216 μg/mL.