

Recombinant Human SLC3A2/CD98 Protein

Catalog No.: RP03523 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 6520 P08195

Tags

N-His

Synonyms

SLC3A2; MDU1

Amino acid transporter heavy chain SLC3A2

CD98

Product Information

Source Purification HEK293 cells ≥ 95 % as

determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.

Calculated MW Observed MW

47.9 kDa 60-70 kDa

Endotoxin

< 1 EU/µg of the protein by LAL method.

Formulation

Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the tube before opening. Reconstituting to a concentration more than $100~\mu g/ml$ is recommended. Dissolve the lyophilized protein in distilled water.

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 HEK293 cells expression system. The target protein is expressed with sequence (Arg206-Ala630) of Human SLC3A2/CD98(Accession # AAH01061) fused with His tag at the N-terminus.

Bio-Activity

Immobilized Recombinant Human SLC3A2/CD98 Protein at $2\mu g/ml$ ($100\mu l/well$) on the plate. Dose response curve for Anti-FGL2 Antibody, hFc Tag with the EC50 of $0.29\mu g/ml$ determined by ELISA.

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.

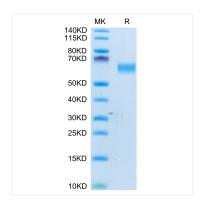
Avoid repeated freeze/thaw cycles.

Operational Notes

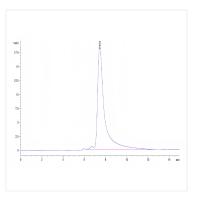
For your safety and health, please wear a lab coat and disposable gloves for handling.

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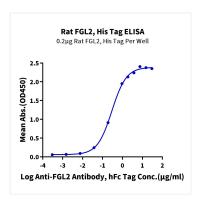
Validation Data



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



The purity of Recombinant Human SLC3A2/CD98 Protein is greater than 95% as determined by SEC-HPLC.



Immobilized Recombinant Human SLC3A2/CD98 Protein at $2\mu g/ml$ (100 $\mu l/well$) on the plate. Dose response curve for Anti-FGL2 Antibody, hFc Tag with the EC₅₀ of 0.29 $\mu g/ml$ determined by ELISA.