

Catalog No.: RP03523 **Recombinant**

Species	Gene ID	Swiss Prot
Human	6520	P08195

N-His

SLC3A2; MDU1 Amino acid transporter heavy chain SLC3A2 CD98

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

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

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

Centrifuge the tube before opening.
Reconstituting to a concentration more than 100 µg/ml is recommended.
Dissolve the lyophilized protein in distilled water.

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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.

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.

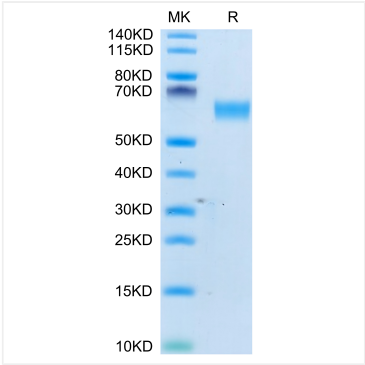
Immobilized Recombinant Human SLC3A2/CD98 Protein at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-FGL2 Antibody, hFc Tag with the EC50 of 0.29µg/ml determined by ELISA.

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

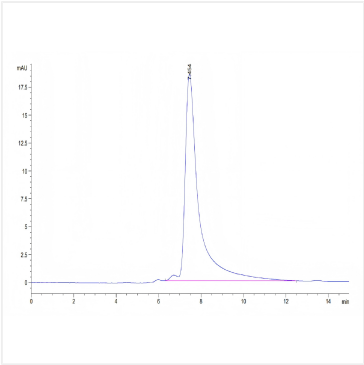
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

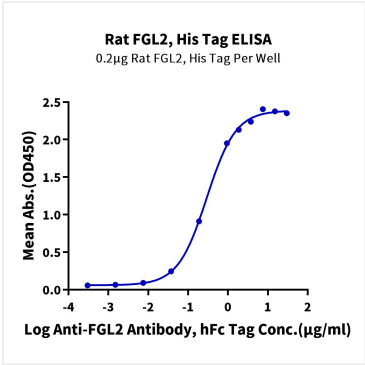
Validation Data



Recombinant Human SLC3A2/CD98 Protein was determined by SDS-PAGE 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 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-FGL2 Antibody, hFc Tag with the EC₅₀ of 0.29µg/ml determined by ELISA.