# Recombinant Human SLC3A2/CD98 Protein

## Catalog No.: RP03523

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## Sequence Information

**Species**
Human

**Gene ID**
6520

**Swiss Prot**
P08195

**Tags**
N-His

**Synonyms**
SLC3A2, MDU1， Amino acid transporter heavy chain SLC3A2, CD98

## Product Information

**Source**
HEK293 cells

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

**Calculated MW**
47.9 kDa

**Observed MW**
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 μg /ml is recommended. Dissolve the lyophilized protein in distilled water.

## 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.

**Activity**
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.

**Shipping**
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

**Storage**
Store at -20℃

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

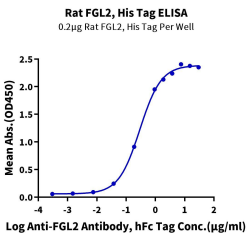
**Contact**

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

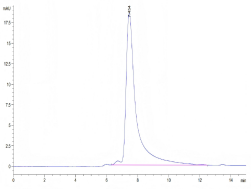


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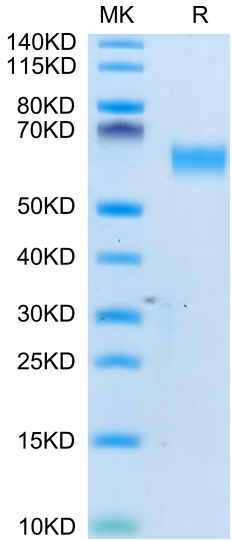
## Validation Data




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 $EC_{50}$ of 0.29 μg/ml determined by ELISA.



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




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