

Recombinant Mouse CD98/SLC3A2 protein (rFc Tag)(HPLC verified)

Catalog Number: Eg1547

Basic Information

Species:
Mouse**Purity:**
>90 %, SDS-PAGE
>90 %, SEC-HPLC**Tag:**
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC**Endotoxin Level:**
<0.1 EU/ µg protein, LAL method**Source:**
HEK293-derived Mouse CD98 protein Ala100-Ala526 (Accession# P10852-1) with a rabbit IgG Fc tag at the N-terminus.**GeneID:**
17254**Accession:**
P10852-1**Predicted Molecular Mass:**
74.8 kDa**SDS-PAGE:**
75-100 kDa, reducing (R) conditions**Formulation:**
Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

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

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

CD98 (SLC3A2) is a solute carrier family protein that is a component of the amino acid transporter and pairs with another solute carrier family protein, such as L-type amino acid transporter 1 (LAT1/SLC7A5) or cystine/glutamate transporter (xCT/SLC7A11). CD98 is known to play a role in delivering amino acids into and out of cells as an amino acid transporter. CD98 is highly upregulated in various cancer cells and promotes cancer cell survival, migration, invasion, angiogenesis and drug resistance.

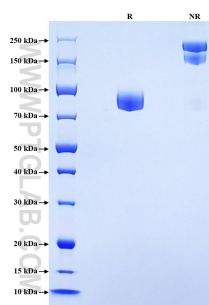
References

1. Lee Y. et al. (2019). Nat Struct Mol Biol. 26:510–517.
2. Xia P. et al. (2023). Front Oncol. 13:1251100.
3. Lim K. et al. (2024). Cancer Immunol Immunother. 73(11):231.

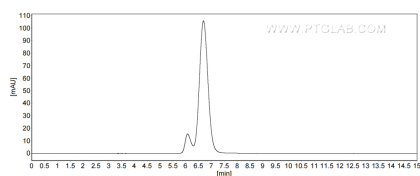
Synonyms

4F2 cell-surface antigen heavy chain, 4F2hc, Amino acid transporter heavy chain SLC3A2, CD98, Mdu1

Selected Validation Data



Purity of Recombinant Mouse CD98 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Mouse CD98/SLC3A2 was greater than 90% as determined by SEC-HPLC.

For technical support and original validation data for this product please contact

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