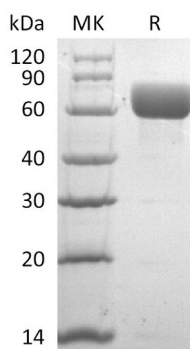


## Summary

|                                 |  |
|---------------------------------|--|
| <b>Name</b>                     | CD98/SLC3A2/4F2 cell-surface antigen heavy chain   |
| <b>Purity</b>                   | Greater than 95% as determined by reducing SDS-PAGE  |
| <b>Endotoxin level</b>          | <1 EU/ $\mu$ g as determined by LAL test.  |
| <b>Construction</b>             | Recombinant Human 4F2 Cell-surface Antigen Heavy Chain is produced by our Mammalian expression system and the target gene encoding Arg206-Ala630 is expressed with a 6His tag at the N-terminus.   |
| <b>Accession #</b>              | P08195   |
| <b>Host</b>                     | Human cells  |
| <b>Species</b>                  | Human  |
| <b>Predicted Molecular Mass</b> | 47.7 KDa   |
| <b>Formulation</b>              | Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH 7.4.   |
| <b>Shipping</b>                 | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.   |
| <b>Stability&amp;Storage</b>    | Store at $\leq$ -70°C, stable for 6 months after receipt. Store at $\leq$ -70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.   |
| <b>Reconstitution</b>           | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

## SDS-PAGE image



## Background

**Product Name: Recombinant Human CD98 (N-6His)**  
**Catalog #: PHH2419**



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**Alternative Names**

4F2 cell-surface antigen heavy chain; 4F2hc; SLC3A2; Lymphocyte activation antigen 4F2 large subunit; Solute carrier family 3 member 2; MDU1; CD98

**Background**

CD98 is a multifunctional glycoprotein that is involved in various biological processes such as amino acid transport, cell adhesion, diffusion, adhesion, and proliferation. CD98 can interact with CD147 to induce integrin 1 function to promote cyclosporine B-induced cell adhesion and p44/p42 MAPK activation following PI3K activation. CD98 heavy chain has been studied to be a key player in tumorigenesis due to its role in activating integrin signaling to promote tumor progression via angiogenesis, invasiveness, and proliferation in addition to promoting malignant transformation of cells. Fibrotic progression in the liver could be linked to the activation of integrin  $\alpha\beta 1$  via CD98. CD98's role in T cell activation in which the TGF activation could also play a profibrotic role.

**Note**

For Research Use Only , Not for Diagnostic Use.