

Product Name: Recombinant Human CD98 (N-mFc)
Catalog #: PHH2418

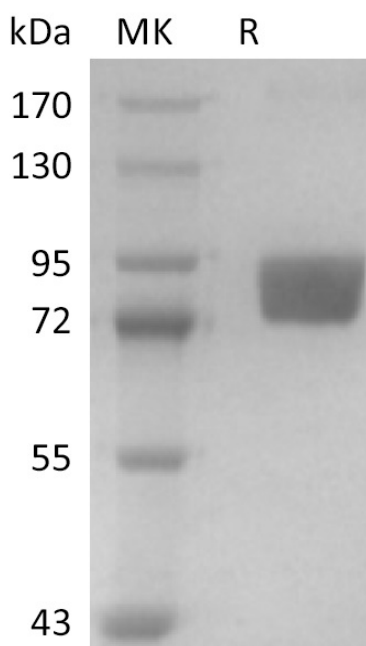


Summary

Name	CD98/SLC3A2/4F2 cell-surface antigen heavy chain
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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 mFc tag at the N-terminus.
Accession #	P08195
Host	Human cells
Species	Human
Predicted Molecular Mass	72.7 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, 10% Glycerol, pH7.4.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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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.