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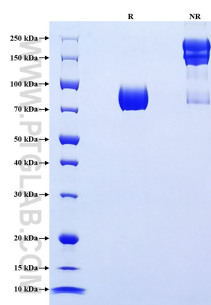
Recombinant Human CD98/SLC3A2 protein (rFc Tag)



Catalog Number: Eg1948

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human CD98 protein Arg206-Ala630 (Accession# P08195-1) with a rabbit IgG Fc tag at the N-terminus.</p> <p>GeneID: 6520</p> <p>Accession: P08195-1</p> <p>Predicted Molecular Mass: 74.0 kDa</p> <p>SDS-PAGE: 70-95 kDa, reducing (R) conditions</p> <p>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.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>CD98 is a 125-kDa type II membrane glycoprotein heterodimer composed of a 40-kDa non-glycosylated light chain (amino-acid transporter) and an 85-kDa glycosylated heavy chain (CD98hc) (PMID: 11507094). CD98hc also interacts with certain integrin b-subunits to regulate cell migration, survival, proliferation, and adhesion/polarity. CD98hc is overexpressed on the cell surface of many cancers and increased CD98hc expression is associated with the development and progression of tumors.(PMID:25084765). Molecular orientation studies have demonstrated that the C-terminal tail of human CD98 (hCD98), which contains a PDZ-binding domain, is extracellular (PMID: 18625289).</p>		
References	<ol style="list-style-type: none">1. Merlin D. et al. (2001). J Biol Chem. 276(42):39282-39289.2. Fei F. et al. (2014). Ann Surg Oncol. 21(13):4359-4368.3. Yan Y. et al. (2008). Biochim Biophys Acta. 1780(10):1087-1092.		
Synonyms	CD98, SLC3A2, 4F2 cell-surface antigen heavy chain, Amino acid transporter heavy chain SLC3A2, MDU1		

Selected Validation Data



Purity of Recombinant Human 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.

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

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