

HUMAN CD98 PROTEIN, HIS TAG**Cat.#:** 11963**Product Name:** Human CD98 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** SLC3A2;F2;MDU1;4F2HC;4T2HC;NACAE;CD98HC**Target:** CD98**UNIPROT ID:** P08195**Description:** Recombinant Human CD98 Protein with N-terminal 6XHis tag**Background:** This gene 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. [provided by RefSeq, Nov 2010]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 47.7 kDa after removal of the signal peptide. The apparent molecular mass of His-CD98 is approximately 55–100 kDa due to glycosylation.**Molecular Characterization:** 6×His tag CD98(Arg206–Ala630)**Purity:** The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.**Storage & Shipping:** Store at –20°C to –80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at –80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

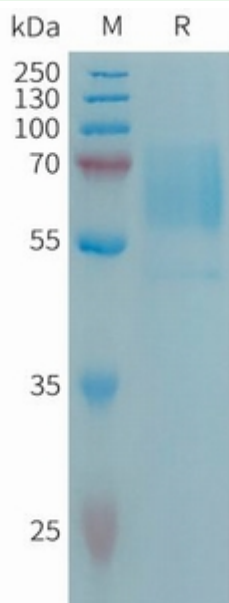


Figure 1. Human CD98 Protein, His Tag on SDS-PAGE under reducing condition.