

**HUMAN PCDH18 PROTEIN, HFC TAG****Cat.#:** 11708**Product Name:** Human PCDH18 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** PCDH68L**Target:** PCDH18**UNIPROT ID:** Q9HCL0**Description:** Recombinant human PCDH18 protein with C-terminal human Fc tag**Background:** This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. This gene encodes a protein which contains 6 extracellular cadherin domains, a transmembrane domain and a cytoplasmic tail differing from those of the classical cadherins. Although its specific function is undetermined, the cadherin-related neuronal receptor is thought to play a role in the establishment and function of specific cell-cell connections in the brain. [provided by RefSeq, Jul 2008]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 99.44 kDa after removal of the signal peptide.**Molecular Characterization:** PCDH18 (Lys28-Ser699) hFc (Glu99-Ala330)**Purity:** The purity of the protein is greater than 95% 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.