

**HUMAN PCDH18 PROTEIN, HIS TAG****Cat.#:** 11812**Product Name:** Human PCDH18 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** PCDH68L**Target:** PCDH18**UNIPROT ID:** Q9HCLO**Description:** Recombinant human PCDH18 protein with C-terminal 6xHis 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 75.1 kDa after removal of the signal peptide. The apparent molecular mass of PCDH18-His is approximately 100–130 kDa due to glycosylation.**Molecular Characterization:** PCDH18(Lys28–Asp697) 6×His tag**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.

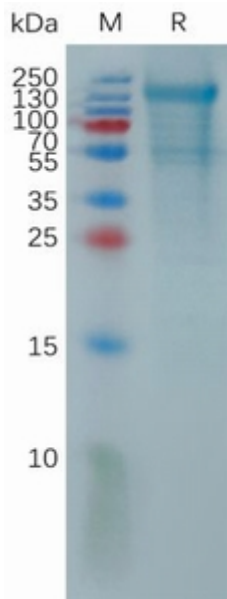


Figure 1. Human PCDH18 Protein, His Tag on SDS-PAGE under reducing condition.