

## 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) 6xHis 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.

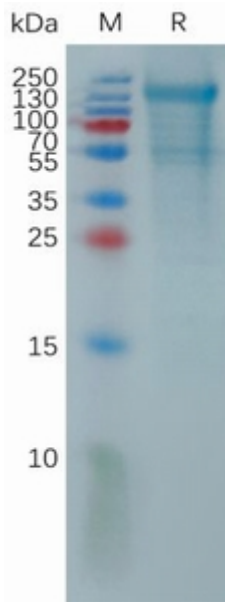


Figure 1. Human PCDH18 Protein, His Tag on SDS-PAGE under reducing condition.