

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.

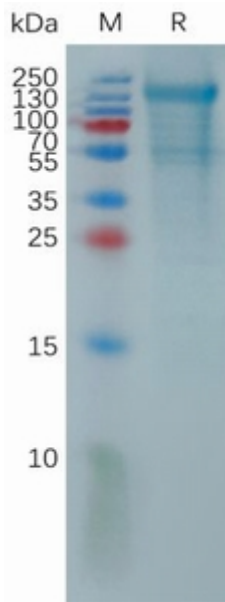


Figure 1. Human PCDH18 Protein, His Tag on SDS-PAGE under reducing condition.