HUMAN CDH17 PROTEIN, HIS TAG

Cat.#: 11587

Product Name: Human CDH17 Protein

Size : 10 μg, 50 μg and 100 μg

Synonyms: CDH16;HPT-1;HPT1

Target: CDH17

UNIPROT ID: Q12864

Description: Recombinant human CDH17 protein with C-terminal 6xHis tag

Background: This gene is a member of the cadherin superfamily, genes encoding calcium-dependent, membrane-associated glycoproteins. The encoded protein is cadherin-like, consisting of an extracellular region, containing 7 cadherin domains, and a transmembrane region but lacking the conserved cytoplasmic domain. The protein is a component of the gastrointestinal tract and pancreatic ducts, acting as an intestinal proton-dependent peptide transporter in the first step in oral absorption of many medically important peptide-based drugs. The protein may also play a role in the morphological organization of liver and intestine. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2009]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 85.7 kDa after removal of the signal peptide. The apparent molecular mass of CDH17-His is approximately 100-130 kDa due to glycosylation.

Molecular Characterization: CDH17(Gln23-Met787) 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.

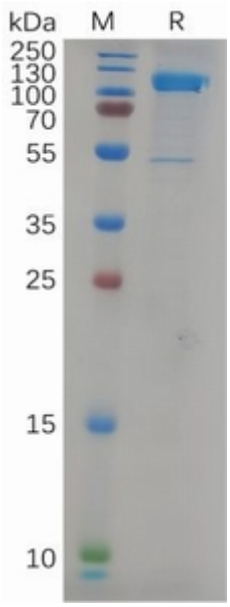

Figure 1. Human CDH17 Protein, His Tag on SDS-PAGE under reducing condition.