

HUMAN CDH17(567-667) PROTEIN, HFC TAG**Cat.#:** 11243**Product Name:** Human CDH17(567-667) Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** CDH16;HPT-1;HPT1**Target:** CDH17**UNIPROT ID:** Q12864**Description:** Recombinant human CDH17(567-667) Protein with C-terminal human Fc 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 37.0 kDa after removal of the signal peptide. The apparent molecular mass of CDH17(567-667)-hFc is approximately 35-55 kDa due to glycosylation.**Molecular Characterization:** CDH17(Ser567-Leu667) 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.



Figure 1. Human CDH17(567-667) Protein, hFc Tag on SDS-PAGE under reducing condition.