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.

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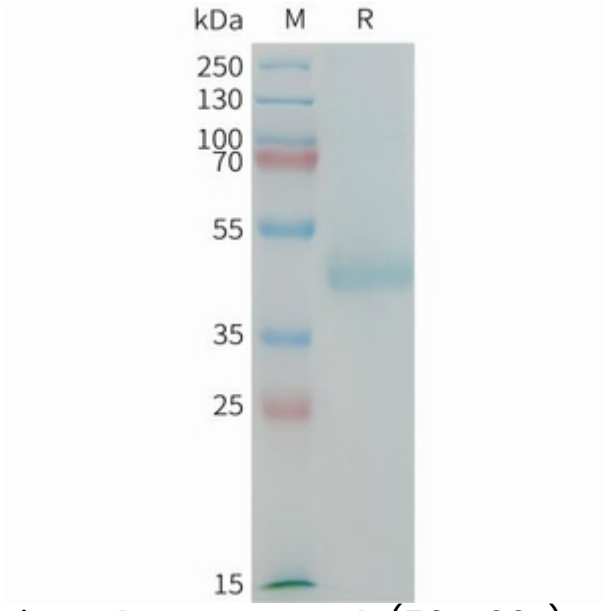

Figure 1. Human CDH17(567-667) Protein, hFc Tag on SDS-PAGE under reducing condition.

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