HUMAN TFF1 PROTEIN, HFC TAG

Cat.#: 11878

Product Name: Human TFF1 Protein

Size : 10 μg, 50 μg and 100 μg

Synonyms: BCEI;D21S21;HP1.A;HPS2;pNR-2;pS2

Target: TFF1

UNIPROT ID: P04155

Description: Recombinant Human TFF1 Protein with C-terminal human Fc tag

Background: Members of the trefoil family are characterized by having at least one copy of the trefoil motif, a 40-amino acid domain that contains three conserved disulfides. They are stable secretory proteins expressed in gastrointestinal mucosa. Their functions are not defined, but they may protect the mucosa from insults, stabilize the mucus layer, and affect healing of the epithelium. This gene, which is expressed in the gastric mucosa, has also been studied because of its expression in human tumors. This gene and two other related trefoil family member genes are found in a cluster on chromosome 21. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 32.8 kDa after removal of the signal peptide. The apparent molecular mass of TFF1-hFc is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: TFF1(Glu25-Phe84) 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.

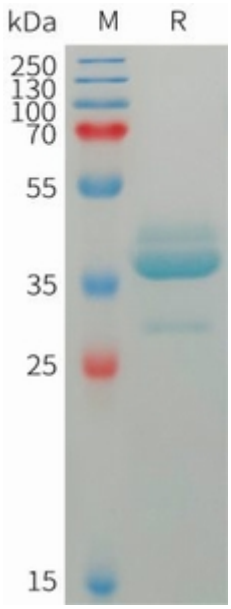

Figure 1. Human TFF1 Protein, hFc Tag on SDS-PAGE under reducing condition.