

## HUMAN GAST PROTEIN, HFC TAG

**Cat.#:** 11688

**Product Name:** Human GAST Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** GAS

**Target:** GAST

**UNIPROT ID:** P01350

**Description:** Recombinant Human GAST with C-terminal human Fc tag

**Background:** Gastrin is a hormone whose main function is to stimulate secretion of hydrochloric acid by the gastric mucosa, which results in gastrin formation inhibition. This hormone also acts as a mitogenic factor for gastrointestinal epithelial cells. Gastrin has two biologically active peptide forms, G34 and G17. [provided by RefSeq, Jul 2008]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 34.2 kDa after removal of the signal peptide. The apparent molecular mass of GAST-hFc is approximately 25–55 kDa due to glycosylation.

**Molecular Characterization:** GAST(Ser22–Phe92) 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.

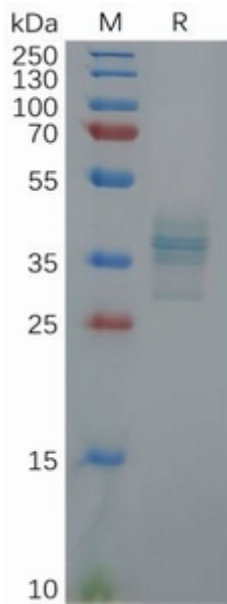


Figure 1. Human GAST Protein, hFc Tag on SDS-PAGE under reducing condition.