

**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.

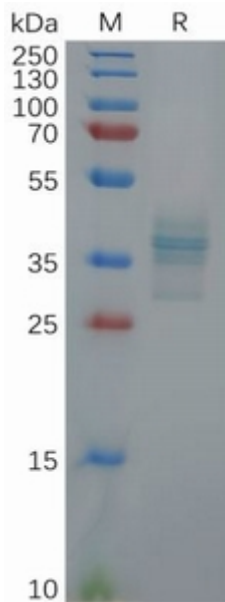


Figure 1. Human GAST Protein, hFc Tag on SDS-PAGE under reducing condition.