PRODUCT INFORMATION

Target	GIP
Synonyms	GIP
Description	Recombinant human GIP Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P09681
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	GIP(Glu22-Gln93) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 34.3 kDa after removal of the signal peptide. The apparent molecular mass of GIP-hFc is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
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.
Background	This gene encodes an incretin hormone and belongs to the glucagon superfamily. The encoded protein is important in maintaining glucose homeostasis as it is a potent stimulator of insulin secretion from pancreatic beta-cells following food ingestion and nutrient absorption. This gene stimulates insulin secretion via its G protein-coupled receptor activation of adenylyl cyclase and other signal transduction pathways. It is a relatively poor inhibitor of gastric acid secretion. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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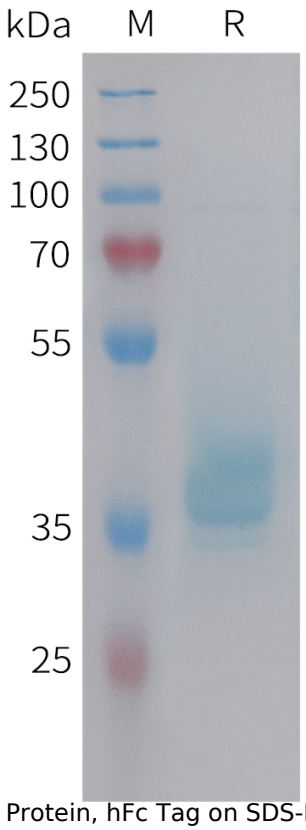


Figure 1. Human GIP Protein, hFc Tag on SDS-PAGE under reducing condition.

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