

Recombinant Human GIP protein (His Tag)

Catalog Number: PDEH100830

Note: Centrifuge before opening to ensure complete recovery of vial contents.

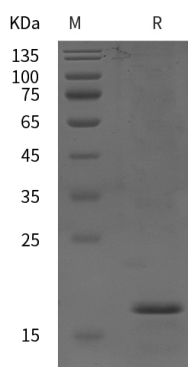
Description

Species	Human
Source	E.coli-derived Human GIP protein Glu22-Arg153, with an N-terminal His
Calculated MW	14.41 kDa
Observed MW	18 kDa
Accession	P09681
Bio-activity	Not validated for activity

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Gastric inhibitory polypeptide (GIP), also known as the glucose-dependent insulintropic peptide is a member of the secretin family of hormones. GIP, together with glucagon-like peptide-1 (GLP-1), belongs to the group of metabolic hormones called incretins that stimulate a decrease in blood glucose levels. GIP is derived from a 153-amino acid pro-protein encoded by the GIP gene and circulates as a biologically active 42-amino acid peptide. Engagement of Gastric inhibitory polypeptide receptors (GIPR) by GIP on pancreatic beta cells activates adenylate cyclase to regulate insulin compensation in the presence of high circulating glucose.

For Research Use Only

Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017