

32-3880: GIP Recombinant Protein

Alternative Name : Gastric inhibitory polypeptide,GIP,Glucose-dependent insulintropic polypeptide,Incretin hormone.

Description

Source : E.coli. GIP Human Recombinant produced in E. coli is a single polypeptide chain containing 155 amino acids (22-153) and having a molecular mass of 17.3kDa. GIP is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Gastric Inhibitory Polypeptide (GIP) which is a significant insulin-releasing hormone of the enteroinsular axis has a functional profile of possible therapeutic value for type 2 diabetes. GIP is an important incretin hormone released into the circulation from endocrine K-cells of the duodenum and jejunum after ingestion of food¹. GIP was evaluated for their ability to elevate cellular cAMP production and stimulate insulin secretion. GIP promotes plasma triglyceride clearance in response to oral fat loading and also enhances insulin-dependent inhibition of glycogenolysis in liver.

Product Info

Amount :	10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The GIP solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 50% glycerol 0.1M NaCl and 2mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SGLVPRGSH MGSEKKEGHF SALPSLPVGS HAKVSSPQPR GPRYAEGTFI SDYSIAMDKI HQQDFVNWLL AQKGKKNWIK HNITQREARA LELAGQANRK EEEAVEPQSS PAKNPSDEDL LRDLIIQELL ACLLDQTNLC RLRSR.

