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32-3880: GIP Recombinant Protein

Alternative Name : Gastric inhibitory polypeptide,GIP,Glucose-dependent insulinotropic 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 SSGLVPRGSH MGSEKKEGHF SALPSLPVGS HAKVSSPQPR GPRYAEGTFI SDYSIAMDKI HQQDFVNWLL AQKGKKNDWK HNITQREARA LELAGQANRK EEEAVEPQSS PAKNPSDEDL LRDLLIQELL ACLLDQTNLC RLRSR.