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## GIP Antibody Blocking Peptide

Catalog Number: bs-0098P

Activity: Not tested

Purification: HPLC

Storage: Shipped at 4°C. Stored at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: bs-0098P is one synthetic peptide derived from human GIP.

GIP (Gastric Inhibitory polypeptide ) 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. Mature GIP is a highly conserved 42 amino acid polypeptide belonging to the glucagon family. GIP is highly expressed as a pre-pro-protein in the duodenum and the jejunum. The mature secreted polypeptide acts as a potent stimulator of insulin secretion and a poor inhibitor of gastric acid secretion.