

Recombinant Human GIP

Cat. No. GIP-29064TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human GIP with a proprietary tag; Predicted MWt 42.9 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	153 amino acids
Description	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.
Molecular Weight	42.900kDa inclusive of tags
Biological activity	useful for Antibody Production and Protein Array
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% Glutathione

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MVATKTFALLLLSLFLAVGLGEKKEGHFSALPSLPVGS SHAKVSSPQPRGPRYAEGTF ISDYSIAMDKIHQQDFVNWLLAQKGKKNDWKHNITQREARALELASQANRKEEEAVE PQSSPAKNPSDEDLLRDLLIQELLACLLDQTNLCRLRSR
GENE INFORMATION	
Gene Name	GIP gastric inhibitory polypeptide [Homo sapiens]
Official Symbol	GIP
Synonyms	GIP; gastric inhibitory polypeptide; glucose dependent insulinotropic polypeptide;
Gene ID	2695
mRNA Refseq	NM_004123
Protein Refseq	NP_004114
MIM	137240
Uniprot ID	P09681
Chromosome Location	17q21.3-q22
Pathway	Class B/2 (Secretin family receptors), organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem;

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Glucagon-type ligand receptors, organism-specific biosystem;

Function

hormone activity;

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