

## Recombinant Human GIP

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

### SPECIFICATION

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

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<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	MVATKTFALLLLSLFLAVGLGEKKEGHFSALPSLPVGS SHAKVSSPQPRGPRYAEGTF ISDYSIAMDKIHQQDFVNWLLAQKGKKNDWKHNITQREARALELASQANRKEEEAVE PQSSPAKNPSDEDLLRDLIIQELLACLLDQTNLCRLRSR
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	GIP gastric inhibitory polypeptide [ Homo sapiens ]
<b>Official Symbol</b>	GIP
<b>Synonyms</b>	GIP; gastric inhibitory polypeptide; glucose dependent insulinotropic polypeptide;
<b>Gene ID</b>	2695
<b>mRNA Refseq</b>	NM_004123
<b>Protein Refseq</b>	NP_004114
<b>MIM</b>	137240
<b>Uniprot ID</b>	P09681
<b>Chromosome Location</b>	17q21.3-q22
<b>Pathway</b>	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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