

Recombinant Human GIP Protein, GST-tagged

Cat. No. GIP-4912H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GIP full-length ORF (NP_004114.1, 1 a.a. - 153 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq]
Molecular Mass	43.5 kDa
AA Sequence	MVATKTFALLLLSLFLAVGLGEKKEGHFSALPSLPVGSHAKVSSPQPRGPRYAEGTF ISDYSIAMDKIHQQDFVNWLLAQKGKKNWKNITQREARALELASQANRKEEEAVE PQSSPAKNPSDEDLLRDLLIQELLACLLDQTNLCRLRSR
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

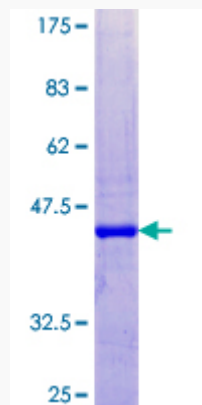
Gene Name	GIP gastric inhibitory polypeptide [Homo sapiens]
Official Symbol	GIP
Synonyms	GIP; gastric inhibitory polypeptide; glucose dependent insulinotropic polypeptide; glucose-dependent insulinotropic polypeptide;
Gene ID	2695
mRNA Refseq	NM_004123
Protein Refseq	NP_004114
MIM	137240
UniProt ID	P09681

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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