

Recombinant Full Length Human GIP Protein, Flag tagged

Cat. No. GIP-1568HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human gastric inhibitory polypeptide (GIP) with Flag tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	1-153 aa
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.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Molecular Mass	17.1 kDa
AASequence	MVATKTFALLLLSLFLAVGLGEKKEGHFSALPSLPVGSNAKVSSPQPRGPRYAEGTF ISDYSIAMDKIHQQDFVNWLLAQKGKKNDWKHNITQREARALELAGQANRKEEEAV EPQSSPAKNPSDEDLLRDLLIQELLACLLDQTNLCRLRSRTRTRPLEQKLISEEDLAA NDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage	Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Concentration	>0.05 µg/µL as determined by microplate BCA method

GENE INFORMATION

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

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SDS-PAGE

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