

Product datasheet for PH322456

GIP (NM_004123) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GIP MS Standard C13 and N15-labeled recombinant protein (NP_004114)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222456
Predicted MW:	17.1 kDa
Protein Sequence:	>RC222456 protein sequence Red =Cloning site Green =Tags(s) MVATKTFALLLLSLFLAVGLGEKKEGHFSALPSLPVGSYAVSSPQPRGPRYAEGTFISDYSIAMDKIHQ QDFVNWLLAQKGGKNDWKHNITQREARALELAGQANRKEEEAVEPQSSPAKNPSDEDLLRDLIIQELLAC LLDQTNLCRLRSR TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_004114
RefSeq Size:	711
RefSeq ORF:	459
Locus ID:	2695
UniProt ID:	P09681
Cytogenetics:	17q21.32



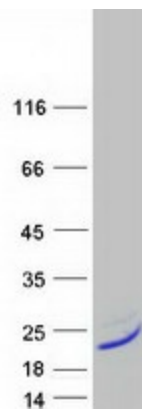
[View online »](#)

Summary:

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, Jul 2008]

Protein Families:

Druggable Genome, Secreted Protein

Product images:

Coomassie blue staining of purified GIP protein (Cat# [TP322456]). The protein was produced from HEK293T cells transfected with GIP cDNA clone (Cat# [RC222456]) using MegaTran 2.0 (Cat# [TT210002]).