

Datasheet for ABIN7274746

**GIP Protein (AA 22-93) (His tag)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	GIP
Protein Characteristics:	AA 22-93
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GIP protein is labelled with His tag.

## Product Details

Purpose:	Human GIP Protein
Sequence:	Glu22-Gln93
Characteristics:	Recombinant Human GIP Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu22-Gln93.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human GIP, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-GIP Antibody, hFc Tag with the EC50 of 11.4ng/ml determined by ELISA. See testing image for detail.

## Target Details

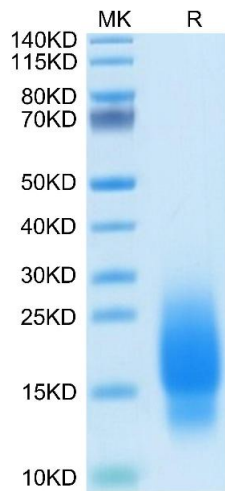
Target:	GIP
Alternative Name:	GIP ( <a href="#">GIP Products</a> )
Background:	<p>The potential application of glucose-dependent insulintropic polypeptide (gastric inhibitory polypeptide, GIP) in the management of obesity and type 2 diabetes has been controversial. Initial interest in the therapeutic use of GIP was dampened by evidence that its insulintropic activity was reduced in type 2 diabetes and by reports that it increased glucagon secretion and adipose deposition in non-diabetic individuals.</p>
Molecular Weight:	9.2 kDa. Due to glycosylation, the protein migrates to 15-25 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P09681</a>
Pathways:	<a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Peptide Hormone Metabolism</a> , <a href="#">Hormone Activity</a> , <a href="#">Regulation of Lipid Metabolism by PPARalpha</a> , <a href="#">Lipid Metabolism</a>

## Application Details

Restrictions:	For Research Use only
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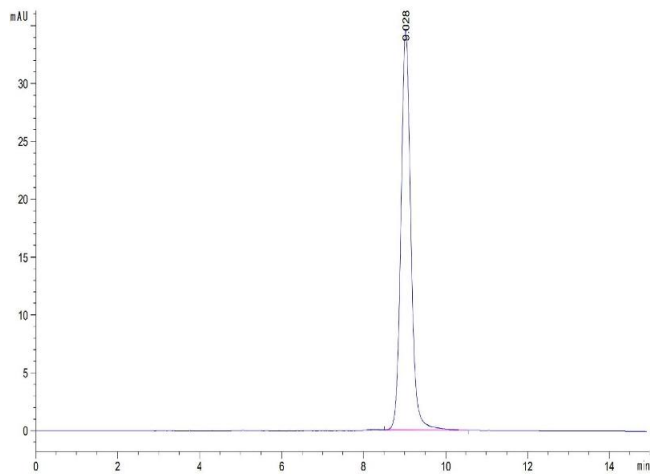
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



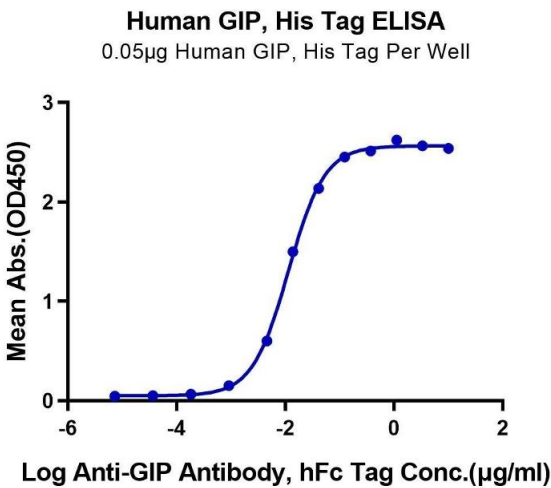
SDS-PAGE

**Image 1.** Human GIP on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Human GIP is greater than 95 % as determined by SEC-HPLC.



ELISA

**Image 3.** Immobilized Human GIP, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-GIP Antibody, hFc Tag with the EC50 of 11.4 ng/mL determined by ELISA.