

RP02658

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# Recombinant Human GIP Protein

Catalog No.: RP02658 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	2695	P09681

### Tags

C-His

### Synonyms

GIP; Incretin

## Product Information

### Source

### Purification

≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Background

The potential application of glucose-dependent insulinotropic 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 insulinotropic activity was reduced in type 2 diabetes and by reports that it increased glucagon secretion and adipose deposition in non-diabetic individuals.

## Basic Information

### Description

Recombinant Human GIP Protein is expressed from Expi293 with His tag at the C-terminal. ; It contains Glu22-Gln93.

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

### Storage

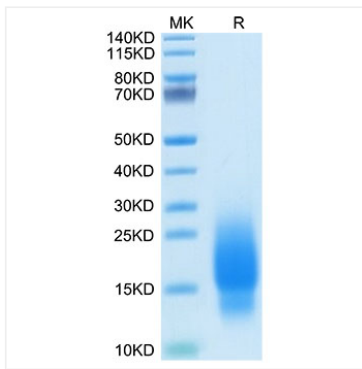
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

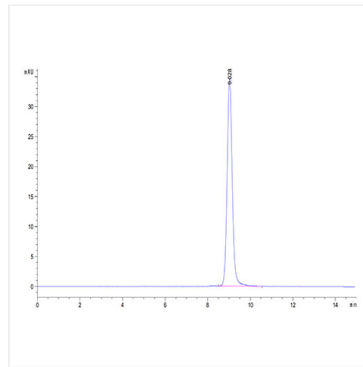
Avoid repeated freeze/thaw cycles.

\* For your safety and health, please wear a lab coat and disposable gloves when handling.

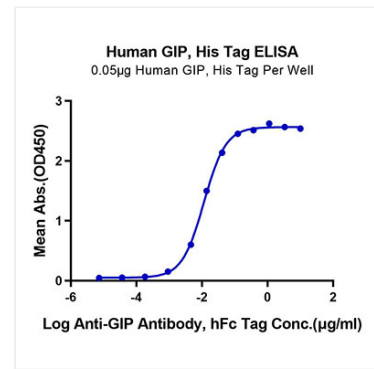
## Validation Data



Recombinant Human GIP Protein was determined by Tris-Bis PAGE under reducing conditions.



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



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 EC<sub>50</sub> of 11.4ng/ml determined by ELISA.