

Recombinant Human Gastric inhibitory polypeptide/GIP Protein

Catalog No.: RP01818 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	2695	P09681

Tags

N-hFc

Synonyms

GIP; Incretin; Gastric inhibitory polypeptide

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
30.94 kDa	35-45 kDa

Endotoxin

< 0.01EU/ μ g

Formulation

Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial 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 freeze-thaw cycles.

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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 produced by HEK293 cells expression system. The target protein is expressed with sequence (Tyr52-Gln93) of human GIP (Accession #NP_004114.1) fused with a hFc tag at the N-terminus.

Bio-Activity

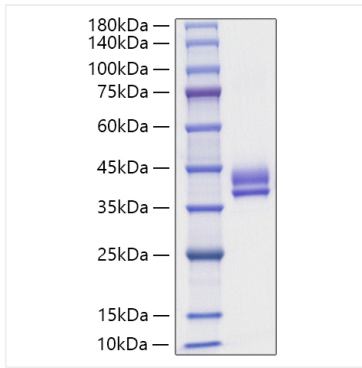
Storage

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.

Validation Data



Recombinant Human Gastric inhibitory polypeptide/GIP Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 35-45 kDa.