

Recombinant Human Gastric inhibitory polypeptide/GIP www.abclonal.com Protein

Catalog No.: RP01818 Recombinant

Sequence Information

SpeciesGene IDSwiss ProtHuman2695P09681

Tags N-hFC

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SynonymsGIP; Incretin; Gastric inhibitory polypeptide

Product Information

Source Purification

HEK293 cells ≥ 95 % as determined by SDS-

PAGE.

Calculated MW Observed MW

30.94 kDa 35-45 kDa

Endotoxin

 $< 0.01 \; \text{EU/}\mu\text{g}$ of the protein by LAL method

Formulation

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

Reconstitution

Centrifµge 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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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-GIn93) of human GIP (Accession #NP_004114.1) fused with a hFc tag at the N-terminus.

Bio-Activity

Shipping

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

Storage

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

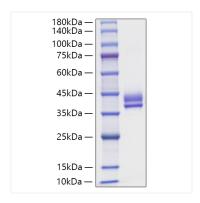
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Operational Notes

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

Validation Data



Recombinant Human Gastric inhibitory polypeptide/GIP Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.