

## GIP Protein, Mouse (HEK293, His)

Cat. No.:	HY-P77948
Synonyms:	GIP; Incretin
Species:	Mouse
Source:	HEK293
Accession:	P48756 (E22-Q85)
Gene ID:	14607
Molecular Weight:	13-18 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	GIP Protein emerges as a potent stimulator of insulin secretion, playing a crucial role in glucose homeostasis. Its primary function lies in promoting the release of insulin from pancreatic beta cells, contributing to the regulation of blood glucose levels. In contrast, GIP demonstrates a relatively limited inhibitory effect on gastric acid secretion. This dual role positions GIP as a key player in the intricate interplay between nutrient sensing and metabolic regulation, particularly in the context of postprandial glucose metabolism. The protein's ability to enhance insulin secretion underscores its significance in the control of glucose metabolism, making it a target of interest in understanding and potentially modulating metabolic processes associated with diabetes and insulin resistance.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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