

GIP Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P77949
Synonyms:	GIP; Incretin
Species:	Mouse
Source:	HEK293
Accession:	P48756 (E22-Q85)
Gene ID:	14607
Molecular Weight:	40-45 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

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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