

## Recombinant Mouse Gip Protein, Myc/DDK-tagged

Cat. No. Gip-3212M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length gastric inhibitory polypeptide (Gip), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes an incretin hormone that belongs to the glucagon superfamily. The encoded preproprotein undergoes proteolytic processing to generate mature peptides that function as potent stimulators of insulin secretion and inhibit gastric acid secretion. Transgenic mice overexpressing the encoded protein exhibit a significant increase in the expression of markers of bone formation, a decrease in the expression of markers of bone resorption and, an increase in the bone mass.
<b>Molecular Mass</b>	16.3 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Gip gastric inhibitory polypeptide [ *Mus musculus* (house mouse) ]

**Official Symbol** Gip

**Synonyms** Gip; gastric inhibitory polypeptide; gastric inhibitory polypeptide; glucose-dependent insulinotropic polypeptide

**Gene ID** 14607

**mRNA Refseq** NM\_008119

**Protein Refseq** NP\_032145

**UniProt ID** P48756

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