

Recombinant Human GIP protein, GST-tagged

Cat. No. GIP-13264H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GIP protein(22-153 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	22-153 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	EKKEGHFSALPSLPVGS ~~HAKVSSPQPRGPRYAEGTFISDYSIAMDKIHQQDFVNWLL~~ AQKGKKN ~~DWKH~~ NITQREARALELASQANRKEEEAVEPQSSPAKNPSDEDLLRDLLI QELLACLLDQTNLCRLRSR
Purity	80%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name	GIP gastric inhibitory polypeptide [Homo sapiens]
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Official Symbol	GIP
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Synonyms	GIP; gastric inhibitory polypeptide; glucose dependent insulinotropic polypeptide; glucose-dependent insulinotropic polypeptide;
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Gene ID	2695
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mRNA Refseq	NM_004123
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Protein Refseq	NP_004114
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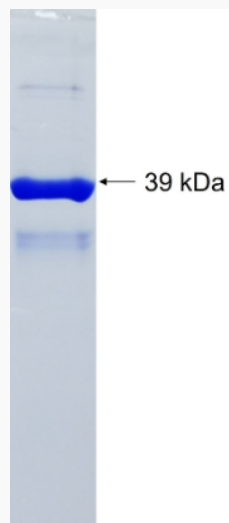
MIM	137240
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UniProt ID	P09681
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SDS-PAGE

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