

## Recombinant Human GIP 293 Cell Lysate

Cat. No. GIP-5930HCL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for gastric inhibitory polypeptide (GIP) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid (True ORF cDNA clone RC222456, OriGene Technologies, Inc.) and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
<b>Components</b>	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
<b>Applications</b>	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

**Gene Name** GIP gastric inhibitory polypeptide [ Homo sapiens ]

**Official Symbol** GIP

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

**Gene ID** 2695

**mRNA Refseq** NM\_004123

**Protein Refseq** NP\_004114

**MIM** 137240

**UniProt ID** P09681

**Chromosome Location** 17q21.3-q22

**Pathway** Class B/2 (Secretin family receptors), organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Glucagon-type ligand receptors, organism-specific biosystem; Incretin Synthesis, Secretion, and Inactivation, organism-specific biosystem; Integration of energy metabolism, organism-specific biosystem;

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**Function**

hormone activity;

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