Recombinant Human GIPR HEK293T Over-expression Lysate

Cat. No. GIPR-294HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GIPR was derived from Human HEK293T cell line.1 vial of 100 µg gene specific transient over-expression cell lysate in RIPA buffer1 vial of 100 µg empty vector transfected control cell lysate in RIPA buffer1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100mM DTT)
Species	Human
Source	HEK293
Description	This gene encodes a G-protein coupled receptor for gastric inhibitory polypeptide (GIP), which was originally identified as an activity in gut extracts that inhibited gastric acid secretion and gastrin release, but subsequently was demonstrated to stimulate insulin release in the presence of elevated glucose. Mice lacking this gene exhibit higher blood glucose levels with impaired initial insulin response after oral glucose load. Defect in this gene thus may contribute to the pathogenesis of diabetes.
Molecular Mass	53 kDa
Storage	Upon receiving, store the sample at -20ºC. Lysate samples are stable for 12 months from date of receipt when stored at -20ºC. Avoid repeated freeze-thaw cycles.Lysate samples can be diluted with 2xSDS Sample Buffer provided. After dilution, the protein sample should be aliquoted and stored at -20ºC for long term storage. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

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GENE INFORMATION

Gene Name	GIPR gastric inhibitory polypeptide receptor [Homo sapiens]
Official Symbol	GIPR
Synonyms	GIPR; gastric inhibitory polypeptide receptor; GIP-R; glucose-dependent insulinotropic polypeptide receptor; PGQTL2; MGC126722;
Gene ID	2696
mRNA Refseq	NM_000164
Protein Refseq	NP_000155
MIM	137241
UniProt ID	P48546
Chromosome Location	19q13.2-q13.3
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; GPCRs, Class B Secretin-like, organism-specific biosystem; Glucagon-type ligand receptors, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem;
Function	gastric inhibitory peptide receptor activity; peptide hormone binding; receptor activity; signal transducer activity; transmembrane signaling receptor activity;

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