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GIPR Blocking Peptide (Center)

Synthetic peptide
Catalog # BP7495c

Specification

GIPR Blocking Peptide (Center) - Product Information

Primary Accession P48546

GIPR Blocking Peptide (Center) - Additional Information

Gene ID 2696

Other Names
Gastric inhibitory polypeptide receptor, GIP-R, Glucose-dependent insulinotropic polypeptide receptor, GIPR

Target/Specificity
The synthetic peptide sequence is selected from aa 119-136 of HUMAN GIPR

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GIPR Blocking Peptide (Center) - Protein Information

Name GIPR

Function
This is a receptor for GIP. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase.

Cellular Location
Cell membrane; Multi-pass membrane protein.

GIPR Blocking Peptide (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

GIPR Blocking Peptide (Center) - Images

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GIPR Blocking Peptide (Center) - Background

GIPR also called glucose-dependent insulinotropic polypeptide, is a 42-amino acid polypeptide synthesized by K cells of the duodenum and small intestine. This protein 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 potently in the presence of elevated glucose. The insulinotropic effect on pancreatic islet beta-cells was then recognized to be the principal physiologic action of GIP. Together with glucagon-like peptide-1, GIP is largely responsible for the secretion of insulin after eating. The protein is involved in several other facets of the anabolic response.

GIPR Blocking Peptide (Center) - References

Herbach,N. Am. J. Physiol. Renal Physiol. 296 (4), F819-F829 (2009)
Rudovich,N., Kaiser,S. Regul. Pept. 142 (3), 138-145 (2007)
Nitz,I., Fisher,E. Mol Nutr Food Res 51 (8), 1046-1052 (2007)