

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 insulintropic
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****GIPR Blocking Peptide (Center) - Background**

GIPR also called glucose-dependent insulintropic 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 insulintropic 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)

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](#)