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Product Information

MemDX™ Membrane Protein Human GIPR (Gastric inhibitory polypeptide receptor)

Expressed *in vitro E.coli* expression system, Full Length of Mature Protein

Cat. No.: **MPX3580K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human GIPR membrane protein expressed *in vitro E.coli* expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
GIPR

Protein Length
Full Length of Mature Protein

Protein Class
GPCR

TMD
7

Sequence
RAETGSKGQTAGELYQRWERYRRECQETLAAAEPPSGLACNGSFDMYVCWDYAAPNATARASCPWYLPWHHHVAAGFVLRQC

Product Description

Expression Systems
in vitro E.coli expression system

Tag
10xHis tag at the N-terminus

Protein Format
Soluble

Form
Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

GIPR

Full Name

Gastric inhibitory polypeptide receptor

Introduction

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.

Alternative Names

GIPR; PGQTL2; GIP-R; glucose-dependent insulinotropic polypeptide receptor; Gastric inhibitory polypeptide receptor

Gene ID

2696

UniProt ID

P48546

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