

Product Information

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

Cat. No.: **MPC0328K**

This product is for research use only and is not intended for diagnostic use.

This product is a 53.1 kDa Human GIPR membrane protein expressed in Baculovirus/Insect 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

Protein Class

GPCR

Molecular Weight

53.1 kDa

TMD

7

Sequence

MTTSPILQLLLRLSLCGLLLQRAETGSKGQTAGELYQRWERYRRECQETL
AAAEPPSGLACNGSFDMYVCWDYAAPNATARASCPWYLPWHHHVAAGFVL
RQCGSDGQWGLWRDHTQCENPEKNEAFDQRLILERLQVMYTVGYSLSLA
TLLLALLILSLFRRLHCTRNYIHINLFTSFMLRAAAILSRDRLPRPGPY
LGDQALALWNQALAACRTAQIVTQYCVGANYSWLLVEGVYLSLLVLVGG
SEEGHFRYYLLGWGAPALFVIPWVIVRYLYENTQCWERNEVKAIWWIIR
TPILMTILINFLIFIRILGILLSKLRTQMRCDYRLRLARSTLTLVPLL
GVHEVVFAPVTEEQARGALRFAKLGFEIFLSSFQGFVSVLYCFINKEVQ
SEIRRGWHHCRLRRSLGEEQRQLPERAFRALPSGSGPGEVPTSRGLSSGT
LPGPGNEASRELESYC

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

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

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

Gene ID

[2696](#)

UniProt ID

[P48546](#)