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Product Information

MemDX™ Membrane Protein Human GPR119 (G protein-coupled receptor 119) Expressed *in vitro E.coli* expression system, Full Length

Cat. No.: **MPX3363K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human GPR119 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
GPR119

Protein Length
Full Length

Protein Class
GPCR

TMD
7

Sequence
MESSFSFGVILAVLASLIIATNTLVAVAVLLLIHKNDGVSLCFTLNLAVADTLIGVAISGLLTDQLSSPSRPTQKTLCSLRMAFVTSSAAA

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

GPR119

Full Name

G protein-coupled receptor 119

Introduction

This gene encodes a member of the rhodopsin subfamily of G-protein-coupled receptors that is expressed in the pancreas and gastrointestinal tract. The encoded protein is activated by lipid amides including lysophosphatidylcholine and oleoylethanolamide and may be involved in glucose homeostasis. This protein is a potential drug target in the treatment of type 2 diabetes.

Alternative Names

GPR119; GPCR2; glucose-dependent insulinotropic receptor; G-protein coupled receptor 2; G protein-coupled receptor 119

Gene ID

139760

UniProt ID

Q8TDV5

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