

Product Information

MemDX™ Membrane Protein Human GPR45 (G protein-coupled receptor 45) Full Length

Cat. No.: **MPC3069K**

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

This product is a made-to-order Human GPR45 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

GPR45

Protein Length

Full length

Protein Class

GPCR

TMD

7

Sequence

MACNSTSLEAYTYLLNNTSNASDSGSTQLPAPLRISLAIVMLLMTVVGFL
GNTVVCIIVYQRPAMRSAINLLLATLAFSDIMLSLCCMPFTAVTLITVRW
HFGDHFCLRSATLYWFFVLEGVAILLIISVDRFLIIVQRQDKLNPRRAKV
IIAVSWVLSFCIAGPSLTGWTLVEVPARAPQCVLGYTELPADRAYVVTLV
VAVFFAPFGVMLCAYMCILNTRKNAVRVHNQSDSLDLRQLTRAGLRRLQ
RQQQVSVDLSFKTKAFTTILILFVGFSCLWLPHSVYSLLSVFSQRFYCGS
SFYATSTCVLWLSYLKSVFNPIVYCWRIKKFREACIELLPQTFQILPKVP
ERIRRIQPSTVYVCNENQSAV

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

GPR45

Full Name

G protein-coupled receptor 45

Introduction

This intronless gene encodes a member of the G protein-coupled receptor (GPCR) family. Members of this protein family contain seven putative transmembrane domains and may mediate signaling processes to the interior of the cell via activation of heterotrimeric G proteins. This protein may function in the central nervous system.

Alternative Names

GPR45; PSP24; PSP24A; PSP24(ALPHA); probable G-protein coupled receptor 45; PSP24-1; PSP24-alpha; high-affinity lysophosphatidic acid receptor; G protein-coupled receptor 45

Gene ID

[11250](#)

UniProt ID

[Q9Y5Y3](#)