

Product Information

MemDX™ Membrane Protein Human LGR4 (Leucine rich repeat containing G protein-coupled receptor 4) Expressed in CHO for Antibody Discovery, Partial (25-544aa)

Cat. No.: **MPX0049K**

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

This product is a 83.8 kDa Human LGR4 membrane protein expressed in CHO. 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

LGR4

Protein Length

Partial (25-544aa)

Protein Class

GPCR

Molecular Weight

83.8 kDa

TMD

7

Sequence

APPLCAAPCSCDGGRRVDCSGKGLTA
VPEGLSAFTQALDISMNNITQLPEDAFKNFPFLEELQLAGNDLSFIHPKA
LSGLKELKVLTLQNNQLKTVPSEAIRGLSALQSLRLDANHITSVPEDSFE
GLVQLRHLLWDDNSLTEVPVHPLSNLPTLQALTLALNKISSIPDFAFTNL
SSLVVLHLHNNKIRLSQHCDFGLDNLETLDLNNNLGEFPQAIKALPSL
KELGFHSNSISVIPDGAFDGNPLLRTHLYDNPLSFVGNSAFHNLSDLHS
LVIRGASMVQQFPNLTGTVHLESLTLTGTKISSIPNNLCQEQKMLRTL
SYNNIRDLPSFNGCHALEEISLQRNQIYQIKEGTFQGLISLRILDLSRNL
IHEIHSRAFATLGPITNLDVSFNELTSFPTEGLNGLNQLKLVGNFKLKEA
LAAKDFVNLRSLSVPYAYQCCAFWGCDSYANLNTEDNSLQDHSVAQEKGT
ADAANVTSTLENEEHSQIIHCTPSTGAFKPCEYLLGSWMIRLT

Product Description

Expression Systems

CHO

Tag

hIgG1 Fc tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 200 µg/mL in PBS.

Endotoxin

<0.1 EU/µg by the LAL method

Purity

>90%, by SDS-PAGE under reducing conditions and visualized by silver stain

Buffer

Lyophilized from a 0.2 µm filtered solution in PBS.

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**

LGR4

Full Name

Leucine rich repeat containing G protein-coupled receptor 4

Introduction

The protein encoded by this gene is a G-protein coupled receptor that binds R-spondins and activates the Wnt signaling pathway. This Wnt signaling pathway activation is necessary for proper development of many organs of the body.

Alternative Names

GPR48; BNMD17; G protein-coupled receptor 48; LGR4; Leucine rich repeat containing G protein-coupled receptor 4

Gene ID

[55366](#)

UniProt ID

[Q9BXB1](#)