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Product Information

MemDX™ Membrane Protein Human LGR5 (Leucine rich repeat containing G protein-coupled receptor 5) Expressed in CHO for Antibody Discovery, Partial (22-560aa)

Cat. No.: **MPX0050K**
This product is for research use only and is not intended for diagnostic use.

This product is a 87 kDa Human LGR5 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
LGR5

Protein Length
Partial (22-560aa)

Protein Class
GPCR

Molecular Weight
87 kDa

TMD
7

Sequence
GSSPRSGVLLRGCPTHCHCEPDGRMLLRV
DCSDLGLSELPSNLSVFTSYLDLSMNNISQLLPNPLPSLRFLEELRLAGN
ALTYIPKGAFTGLYSLKVLMLQNNQLRHVPTEALQNLRSLQSLRLDANHI
SYVPPSCFSGLHSLRHLWLDDNALTEIPVQAFRSLSALQAMTLALNKIHH
IPDYAFGNLSSLVVLHLHNNRIHSLGKKCFDGLHSLETLDLNYNNLDEFP
TAIRTLSNLKELGFHSNNIRSIPEKAFVGNPSLITIHFYDNPIQFVGRSA
FQHLPELRTLTLNGASQITEFPDLTGTANLESLTLTGAQISSLPQTVCNQ
LPNLQVLDLSYNLLEDLPSFSVCQKLQKIDLRHNEIYEIKVDTFQQLLSL
RSLNLAWNKIAIIHPNAFSTLPSLIKLDLSSNLLSSFPITGLHGLTHLKL
TGNHALQSLISSENFPELKVIEMPYAYQCCAFGVCENAYKISNQWNKGDN
SSMDDLHKKDAGMFQAQDERDLEDFLLDFEEDLKALHSVQCSPSPGPFKP
CEHLLDGWLI

Product Description

Expression Systems

CHO

Tag

hIgG1 Fc tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 100 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

LGR5

Full Name

Leucine rich repeat containing G protein-coupled receptor 5

Introduction

The protein encoded by this gene is a leucine-rich repeat-containing receptor (LGR) and member of the G protein-coupled, 7-transmembrane receptor (GPCR) superfamily. The encoded protein is a receptor for R-spondins and is involved in the canonical Wnt signaling pathway. This protein plays a role in the formation and maintenance of adult intestinal stem cells during postembryonic development. Several transcript variants encoding different isoforms have been found for this gene.

Alternative Names

FEX; HG38; GPR49; GPR67; GRP49; G-protein coupled receptor 49; G-protein coupled receptor 67; G-protein coupled receptor HG38; orphan G protein-coupled receptor HG38; LGR5; Leucine rich repeat containing G protein-coupled receptor 5

Gene ID

8549

UniProt ID

O75473

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