

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

GSSPRSGVLLRGCPHCHCEPDGRMLLRV
DCSDLGLSELPSNLSVFTSYLDLSMNNISQLLPNPLPSLRFLEELRLAGN
ALTYIPKGAFGLYSLKVLMLQNNQLRHVPTEALQNLRLSLRLDANHI
SYVPPSCFSGHLHLWLDNALTEIPVQAFRSLALQAMTLALNKIHH
IPDYAFGNLSSVLVHLHNNRIHSLGKKCFDGLHSLETLDLNNNLDEFP
TAIRTLNLKELGFHSNNIRSIPEKAFVGNPSLTIHFYDNPQFVGRSA
FQHLPELRTLTLNGASQITEFPDLTGANLESLTLTGAQISSLPQTVCNQ
LPNLQVLDLSYNLLEDLPFSVCQKLQKIDLRHNEIYEIKVDTFQQLSL
RSLNLAWNKAIIHPNAFSTLPSLIKLDLSSNLLSSFPITGLHGLTHLKL
TGNHALQSLISSENFPELKVIEMPYAYQCCAFGVCENAYKISNQWNKGDN
SSMDDLHKKDAGMFQAQDERDLEDFLLDFEEDLKLALHSVQCSPSPGPFKP
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](#)