

Product Information

MemDX™ Membrane Protein Human LGR5 (Leucine rich repeat containing G protein-coupled receptor 5) Full Length

Cat. No.: **MPC0278K**

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

This product is a 99.9 kDa Human LGR5 membrane protein expressed in HEK293. 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

Full length

Protein Class

GPCR

Molecular Weight

99.9 kDa

TMD

7

Sequence

MDTSRLGVLLSLPVLLQLATGGSSPRSGVLLRGCPHCHCEPDGRMLLRV
DCSDLGLSELPSNLSVFSTSYLDLSMNNISQLLPNPLPSLRFLEELRLAGN
ALTYIPKGAFTGLYSLKVLMLQNNQLRHVPTEALQNLRSLSRLDANHI
SYVPPSCFSGHLHLWLDNALTEIPVQAFRSLALQAMTLALNKIHH
IPDYAFGNLSSVLVHLHNNRIHSLGKKCFDGLHSLETLDLNNNLDEFP
TAIRTLNKLKELGFHSNNIRSIPEKAFVGNPSLTIHFYDNPQFVGRSA
FQHLPELRTLTLNGASQITEFPDLTGANLESLTLTGAQISSLPQTVCNQ
LPNLQVLDLSYNLLEDLPFSVCQKLQKIDLRHNEIYEIKVDTFQQLLSL
RSLNLAWNKIAIHPNAFSTLPSLIKLDLSSNLLSSFPITGLHGLTHLKL
TGNHALQSLISSENFPELKVIEMPYAYQCCAFVCENAYKISNQWNKGDN
SSMDDLHKKDAGMFQAQDERDLEDFLDFFEDLKALHSVQCSPSPGPFKP
CEHLLDGWLIRIGVWTIAVLALTCNALVTSTVFRSPLYISPIKLLIGVIA
AVNMLTGVSASVLAGVDAFTFGSFARHGAWWENGVGCHVIGFLSIFASES
SVFLLTLAALERGFVSKYSAKFETKAPFSSLKVILLCALLALTMAAVPL
LGGSKYGASPLCLPLPFGPESTMGYMVALILLNSLCFLMMTIAYTKLYCN
LDKGDLENIWDCSMVKHIALLLFTNCILNCPVAFLSFSSLINLTFISPEV
IKFILLVVVPLPACLNPLLYILFNPHFKEDLVSLRKQTYVWTRSKHPSLM
SINSDDVEKQSCDSTQALVTFTSSSITYDLPPSSVPSPAYPVTESCHLSS
VAFVPCL

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

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

[Q75473](#)