

Product Information

MemDX™ Membrane Protein Human RXFP1 (Relaxin family peptide receptor 1)

Cat. No.: **MP0031F**

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

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

RXFP1

Protein Length

Full Length

Protein Class

GPCR Class A

Molecular Weight

86.9 kDa

TMD

7

Sequence

MTSGSVFFYILIFGKYFSHGGGQDVKCSLGYFPCGNITKCLPQLLHCNGVDDCGNQADED
NCGDNNGWSLQFDKYFASYKMTSQYPFEAETPECLVGSVPVQCLCQGLELDCDETNLRA
VPSVSSNVTAMSLQWNLIRKLPPDCFKNYHDLQKLYLQNNKITSISIIYAFRGLNSLTKLY
LSHNRTFLKPGVFEDLHRLEWLIIEDNHLSRISPPTFYGLNSLILLVLMNNVLTRLDPK
PLCQHMPRLHWLDLEGNIHNLRLNLTIFSCSNLTVLVMRKNKINHLNENTFAPLQKLDEL
DLGSNKIENLPPLIFKDLKELSQLNLSYNPIQKIQANQFDYLVKLKSLSLEGIEISNIQQ
RMFRPLMNLSHIYFKKFQYCGYAPHVRSCKPNTDGISSLENLLASIIQRFVFWVVSATC
FGNIFVICMRPYIRSENKLYAMSIISLCCADCLMGIYLFVIGGFDLKFRGEYNKHAQLWM
ESTHCQLVGLAILSTEVSVLLLFTLTLEKYICIVYPFRCVPRGKCRITITVLILIWITGF
IVAFIPLSNKEFFKNYYGTNGVCFLHSEDTESIGAQIYSVAIFLGINLAFAFIIIVFSYG
SMFYSVHQSAITATEIRNQVKKEMILAKRFFVFTDALCWIPFVVKFLSLLQVEIPGT
ITSWVVIFILPINSALNPILYTLTRPFKEMIHFWYNYRQRKSMDSKGQKTYAPSEFIWV
EMWPLQEMPPELMKPDLTYPCEMSLISQSTRLNSYS

Product Description

Activity

Yes

Application

Screening & display technologies, Structural biology, Antibody development

Expression Systems

Cell-free expression system

Tag

Histidine tag fused to the N-terminal end of the protein

Protein Format

Proteoliposome

Form

Powder

Purification

Sucrose gradient

Purity

>70% by SDS-Page and Coomassie Blue staining

Buffer

Tris 50mM, pH 7.5

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

RXFP1

Full Name

Relaxin family peptide receptor 1

Introduction

This gene encodes a member of the leucine-rich repeat-containing subgroup of the G protein-coupled 7-transmembrane receptor superfamily. The encoded protein plays a critical role in sperm motility, pregnancy and parturition as a receptor for the protein hormone relaxin. Decreased expression of this gene may play a role in endometriosis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Alternative Names

LGR7, RXFPR1

Gene ID

[59350](#)

UniProt ID

[Q9HBX9](#)