

Product Information

MemDX™ Membrane Protein Human FGFR1 (Fibroblast growth factor receptor like 1) Full Length

Cat. No.: **MPC2648K**

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

This product is a made-to-order Human FGFR1 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

FGFR1

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

MTPSPLLLLLLPLLLLGAFPPAAAARGPPKMADKVVPRQVARLGRTVRLQ
CPVEGDPPPLTMWTKDGRTHSGWSRFRVLPQGLKVQVEREDAGVYVCK
ATNGFGSLSVNYTLVVLDDISPGKESLGPDSSSGGQEDPASQQWARPRFT
QPSKMRRRVIARPVGSSVRLKCVASGHPRPDITWMKDDQALTRPEAAEPR
KKKWTLSLKNLRPEDSGKYTCRVSNRAGAINATYKVDVIQRTRSKPVLTG
THPVNTTVDFGGTTSFQCKVRSVDPKPVQWLKRVYGAEGRHNSTIDVGG
QKFVVLPTGDVWSRPDGSYLNKLLITRARQDDAGMYICLGANTMGYSFRS
AFLTVPDPKPPGPPVASSSSATSLPWPVIGIPAGAVFILGTLWLWCQ
AQKKPCTPAPAPLPGHRPPGTARDRSGDKDLPSLAALSAGPGVGLCEEH
GSPAAPQHLLGPGPVAGPKLYPKLYTDIHTHTHTSHTHSHVEGKVHQHI
HYQC

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

FGFRL1

Full Name

Fibroblast growth factor receptor like 1

Introduction

The protein encoded by this gene is a member of the fibroblast growth factor receptor (FGFR) family, where amino acid sequence is highly conserved between members and throughout evolution. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. A marked difference between this gene product and the other family members is its lack of a cytoplasmic tyrosine kinase domain. The result is a transmembrane receptor that could interact with other family members and potentially inhibit signaling. Multiple alternatively spliced transcript variants encoding the same isoform have been found for this gene.

Alternative Names

FGFRL1; FHFR; FGFR5; FGF homologous factor receptor; FGF receptor-like protein 1; FGFR-like protein; fibroblast growth factor receptor 5; Fibroblast growth factor receptor like 1

Gene ID

[53834](#)

UniProt ID

[Q8N441](#)