

Product Information

MemDX™ Membrane Protein Human FGFR3 (Fibroblast growth factor receptor 3) for Antibody Discovery

Cat. No.: **MP0140Q**

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

This product is a 170 kDa Human FGFR3 membrane protein expressed in Insect. 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

FGFR3

Protein Length

Partial

Protein Class

Druggable Genome, Protein Kinase, Transmembrane

Molecular Weight

170 kDa

TMD

1

Sequence

MGAPACALALCVAVAIVAGASSESLGTEQRRVVGRAAEVPGPEPGQQEQQLVFGSGDAVELS
CPPPGGGGPMGPTVWVKDGTGLVPSERVLVGPQRLQVLNASHEDSGAYSCRQRLTQRVLCH
FSVRVTDAPSSGDDDEDEDAEDTGVDTGAPYWTRPERMDKKLLAVPAANTVRFRCPAAG
NPTPSISWLKNGREFRGEHRIGGIKLRHQQWSLVMEVVPSPDRGNYTCVVENKFGSIRQT
YTLDVLESPHRPILQAGLPANQTAVLGSDVEFHCKVYSDAQPHIQWLKHVEVNGSKVGP
DGTPYVTVLKTAGANTTDKELEVLSLHNVT FEDAGEYTCLAGNSIGFSHSAWLVLPAE
EELVEADEAGSVYAGILSYGVGFFLFILVVAAVTLCRLRSPPKKGLGSPTVHKISRFLK
RQVSLESNASMSSNTPLVRIARLSSGEGPTLANVSELELPADPKWELSRARLTGKPLGE
GCFGQVVMAEAIGIDKDRAAKPVTVAVKMLKDDATDKDLSLVSEMEMMMKMIGKHKNIN
LLGACTQGGPLYVLVEYAAKGNLREFLRARRPPGLDYSFDTCKPPEEQLTFKDLVSCAYQ
VARGMEYLASQKCIHRDLAARNVLVTEDNVMKIADFG LARDVHNLDYYKTTNGRLPVKW
MAPEALFDRVYTHQSDVWSFGVLLWEIFTLGSPYPGIPVEELFKLLKEGHRMDKPANCT
HDLYMIMRECWHAAPSQRPTFKQLVEDLDRVLTVTSTDEYLDLSAPFEQYSPGGQDTPSS
SSSGDDSVFAHDLLPPAPPSSGGSR

Product Description

Expression Systems

Insect

Form

Powder

Endotoxin

< 0.1 ng per µg

Buffer

PBS without stabilizers or preservatives

Storage

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

Target**Target Protein**

FGFR3

Full Name

Fibroblast growth factor receptor 3

Introduction

This gene encodes a member of the fibroblast growth factor receptor (FGFR) family, with its amino acid sequence being highly conserved between members and among divergent species. 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. This particular family member binds acidic and basic fibroblast growth hormone and plays a role in bone development and maintenance. Mutations in this gene lead to craniosynostosis and multiple types of skeletal dysplasia.

Alternative Names

fibroblast growth factor receptor 3; FGFR-3; fibroblast growth factor receptor 3 variant 4; fibroblast growth factor receptor 3-S; hydroxyaryl-protein kinase; tyrosine kinase JTK4; ACH; CD333; CEK2; HSFGR3EX; JTK4

Gene ID

[2261](#)

UniProt ID

[P22607](#)