

Product Information

MemDX™ Membrane Protein Human FGFR2 (Fibroblast growth factor receptor 2) for Antibody Discovery

Cat. No.: **MP0650J**

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

This product is a 89.7 kDa Human FGFR2 membrane protein expressed in HEK293T. 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

FGFR2

Protein Length

Full-length

Protein Class

Druggable Genome, Protein Kinase, Secreted Protein, Transmembrane

Molecular Weight

89.7 kDa

TMD

1

Sequence

MVSWGRIICLVVVTMATLSLARPSFSLVEDTTLEPEEPPTKYQISQPEVYVAAPGESLEVRCLLKDAAVI
SWTKDGVHLGPNNRVTLIGEYLQIKGATPRDSGLYACTASRTVDSETWYFMVNVTDAISSGDDDDTDGA
EDFVSENSNNKRAPYWTNTEKMEKRLHAVPAANTVKFRCPAGGNPMPTMRWLKNGKEFKQEHRIGGYKVR
NQHWSLIMESVVPSPDKGNYTCVVENEYGSINHTYHLDVVERSHPRPILQAGLPANASTVVGGDVEFVCKV
YSDAQPHIQWIKHVEKNGSKYGPDGLPYLKVLKAAGVNTTDKEIEVLIRNVTFEDAGEYTCLAGNSIGI
SFHSAWLTVLPAPGREKEITASPDYLEIAIYCIGVFLIACMVVTVILCRMKNNTTKKPDFSSQPAVHKLT
RIPLRRQVTVSAESSSSMNSNTPLVRITTRLSTADTPMLAGVSEYELPEDPKWEFPRDKLTLGKPLGEG
CFGQVMAEAVGIDKDKPKEAVTVAVKMLKDDATEKDLSDLVSEMEMMKMIGKHKNIIINLLGACTQDGPL
YVIVEYASKGNLREYLRARRPPGMEYSYDINRVPEEQMTFKDLVSCTYQLARGMEYLASQKCIHRDLAAR
NVLVTENNVMKIADFGLARDINNIDYYKKTNGRLPVKWMAPALFDRVYTHQSDVWSFGVLMWEIFTLG
GSPYPGIPVEELFKLLKEGHRMDKPANCTNELYMMMRDCWHAVPSQRPTFKQLVEDLDRILTLTTNEEYL
DLSQPLEQYSPSPDTRSSCSSGDDSVFSPDPMPYEPCLPQYPHINGSVKT

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

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

Target**Target Protein**

FGFR2

Full Name

Fibroblast growth factor receptor 2

Introduction

The protein encoded by this gene is a member of the fibroblast growth factor receptor 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 consists 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 is a high-affinity receptor for acidic, basic and/or keratinocyte growth factor, depending on the isoform. Mutations in this gene are associated with Crouzon syndrome, Pfeiffer syndrome, Craniosynostosis, Apert syndrome, Jackson-Weiss syndrome, Beare-Stevenson cutis gyrata syndrome, Saethre-Chotzen syndrome, and syndromic craniosynostosis. Multiple alternatively spliced transcript variants encoding different isoforms have been noted for this gene.

Alternative Names

BEK; JWS; BBDS; CEK3; CFD1; ECT1; KGFR; TK14; TK25; BFR-1; CD332; K-SAM

Gene ID

[2263](#)

UniProt ID

[P21802](#)