

## Product Information

### MemDX™ Membrane Protein Human FGFR1 (Fibroblast growth factor receptor 1, transcript variant 1) for Antibody Discovery

Cat. No.: **MP0918J**

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

This product is a 89.4 kDa Human FGFR1 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

FGFR1

##### Protein Length

Full-length

##### Protein Class

Druggable Genome, Protein Kinase, Transmembrane

##### Molecular Weight

89.4 kDa

##### TMD

1

##### Sequence

MWSWKCLLFWAVLVATLCTARPSPTLPEQAQPWGAPVEVESFLVHPGDLLQLRCRLRDDVQSINWLRDG  
VQLAESNRTRITGEEVEVQDSVPADSGLYACVTSSPSGSDTTYFSVNVSDALPSEDDDDDDSSSEEKE  
TDNTKPNRMPVAPYWTSPEKMEKKLHAVPAAKTVKFKCPSSGTPNPTLRWLKNGKEFKPDHRIGGYKVRY  
ATWSIIMDSVVPSPDKGNYTCIVENEYGSINHTYQLDVVERSHPRPILQAGLPANKTVALGNSVEFMCKVY  
SDPQPHIQWLKHIEVNGSKIGPDNLPYVQILKTAGVNTTDKEMEVLHLRNVSFEDAGEYTCLAGNSIGLS  
HHSAWLTVLEALEERPAVMTSPLYLEIIYCTGAFLISCMVGSVIVYKMKSGTKKSDFHSMQMAVHKLAKS  
IPLRRQVTVSADSSASMNSGVLLVRPSRLSSSGTPMLAGVSEYELPEDPRWELPRDRLVLGKPLGEGCFG  
QVVLAEAIGLDKDKPNRVTKVAVKMLKSDATEKDLSDLISEMEMMKMIGKHKNINLLGACTQDGPLYVI  
VEYASKGNLREYLQARRPPGLECYNPSHNPEEQSSKDLVSCAYQVARGMEYLASKKCIHRDLAARNVL  
VTEDNVMKIADFGGLARDIHHIDYYKTTNGRLPVKWMAPALFDRIYTHQSDVWSFGVLLWEIFTLGGSP  
YPGVPVEELFKLLKEGHRMDKPSNCTNELYMMMRDCWHAVPSQRPTFKQLVEDLDRIVALTSNQEYLDLS  
MPLDQYSPSPDTRSSTCSSGEDSVFSHEPLPEEPCLPRHPAQLANGGLKRR

#### 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**

FGFR1

**Full Name**

Fibroblast growth factor receptor 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 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 binds both acidic and basic fibroblast growth factors and is involved in limb induction. Mutations in this gene have been associated with Pfeiffer syndrome, Jackson-Weiss syndrome, Antley-Bixler syndrome, osteoglophonic dysplasia, and autosomal dominant Kallmann syndrome 2. Chromosomal aberrations involving this gene are associated with stem cell myeloproliferative disorder and stem cell leukemia lymphoma syndrome. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized.

**Alternative Names**

CEK; FLG; HH2; OGD; ECCL; FLT2; KAL2; BFGFR; CD331; FGFBR; FLT-2; HBGFR; N-SAM; FGFR-1; HRTFDS; bFGF-R-1

**Gene ID**

[2260](#)

**UniProt ID**

[P11362](#)