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Product Information

MemDX™ Membrane Protein Human FGFR1 (Fibroblast growth factor receptor 1) expressed in CHO for Antibody Discovery

Cat. No.: **MP0061Q**
This product is for research use only and is not intended for diagnostic use.

This product is a 65.2 kDa Human FGFR1 membrane protein expressed in CHO. 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
Partial

Protein Class
Druggable Genome, Protein Kinase, Transmembrane

Molecular Weight
65.2 kDa

TMD
1

Sequence
RPSPTLPEQAQPWGAPVEVESFLVHPGDLLQLRCRLRDDVQSINWLRDGVQLAESNRTRITGEEVEVQDSVPADSGLYACVTSSP
LPSSEDDDDDDDSSSEEKETDNTKPNPVAPYWTSPEKMEKKLHAVPAAKTVKFKCPSSGTPNPTLRWLKNSKEFKPDHRIGGYKV
DKGNYTCIVENEYGSINHTYQLDVVERSPHRPILQAGLPANKTVALGSNVEFMCKVYSDPQPHIQWLKHI EVNGSKIGPDNLPYVQI
EVLHLRNVSFEDAGEYTCLAGNSIGLSHHS AWLTVLEALEERPAVMTSPLYLEGGPKSCDKTHTCPPCPAPELLGGPSVF LFPPKP
VVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQ DWLNGKEYKC KVSNKALPAP
IEKTISKAKGQPREPQVYTLPPSRDELTKN
QVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSL SLSPG

Product Description

Expression Systems
CHO

Form
Powder

Endotoxin

< 1 EU/μg

Purity

>95% pure by SDS-PAGE and HPLC analyses

Buffer

10mM Sodium Phosphate, pH 7.5

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

bFGF-R-1; BFGFR; CD331; CEK; ECCL; FGFBR; FGFR-1; FLG; FLT2; HBGFR; HH2; HRTFDS; KAL2; N-SAM; OGD; fibroblast growth factor receptor 1; FGFR1/PLAG1 fusion; FMS-like tyrosine kinase 2; Fms-like tyrosine kinase 2; fms-related tyrosine kinase 2; heparin-binding growth factor receptor; FLT-2; N-sam; hydroxyaryl-protein kinase; proto-oncogene c-Fgr; Basic fibroblast growth factor receptor 1

Gene ID

2260

UniProt ID

P11362

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