

Human CellExp FGFR1/CD331, human recombinant protein
FGFR1, FGFR-1, BFGFR, CD331, CEK, FGFBR, FLG, HBGFR, N-SAM, FLT2, H2, KAL2,
FLJ14326, Fibroblast Gro
Catalog # PBV11043r

Specification

Human CellExp FGFR1/CD331, human recombinant protein - Product info

Primary Accession [P11362](#)
Calculated MW **This protein is fused with 6×his tag at the C-terminus and has a calculated MW of 40.1 kDa. The predicted N-terminus is Arg 22. DTT-reduced SDS-PAGE, protein migrates as 60-65 kDa. KDa**

Human CellExp FGFR1/CD331, human recombinant protein - Additional Info

Gene ID **2260**
Gene Symbol **FGFR1**
Other Names
FGFR1, FGFR-1, BFGFR, CD331, CEK, FGFBR, FLG, HBGFR, N-SAM, FLT2, H2, KAL2, FLJ14326,
Fibroblast Growth Factor Receptor 1

Gene Source **Human**
Source **HEK293 cells**
Assay&Purity **SDS-PAGE; ≥95%**
Assay2&Purity2 **N/A;**
Recombinant **Yes**
Results **Measured by its ability to inhibit FGF-1 /FGF-acidic dependent proliferation of BALB /3T3 mouse fibroblasts. The ED50 for this effect is typically 15-50 ng/ml.**

Target/Specificity
FGFR1/CD331

Application Notes

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format

Lyophilized

Storage

-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Mannitol or Trehalose is added as protectants before lyophilization.

Human CellExp FGFR1/CD331, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp FGFR1/CD331, human recombinant protein - Images

Human CellExp FGFR1/CD331, human recombinant protein - Background

Fibroblast growth factor receptor 1 (FGFR1) is also known as basic fibroblast growth factor receptor 1 (BFGFR1), FMS-like tyrosine kinase, CD331, and is a receptor tyrosine kinase whose ligands are specific members of the fibroblast growth factor family. This protein is one of several fibroblast growth factor receptors, which are related proteins that are involved in important processes such as cell division, regulation of cell growth and maturation, formation of blood vessels, wound healing, and embryonic development. The FGFR1 protein spans the cell membrane, so that one end of the protein remains inside the cell and the other end projects from the outer surface of the cell. This positioning allows the FGFR1 protein to interact with specific growth factors outside the cell and to receive signals that help the cell respond to its environment. When growth factors attach to the FGFR1 protein, the receptor triggers a cascade of chemical reactions inside the cell that instruct the cell to undergo certain changes, such as maturing to take on specialized functions. The FGFR1 protein is thought to play an important role in the development of the nervous system. This protein may also help regulate the growth of long bones, such as the large bones in the arms and legs.

Human CellExp FGFR1/CD331, human recombinant protein - References

Itoh N., et al. *Biochem. Biophys. Res. Commun.* 169:680-685(1990).
Dionne C.A., et al. *EMBO J.* 9:2685-2692(1990).
Johnson D.E., et al. *Mol. Cell. Biol.* 10:4728-4736(1990).
Isacchi A., et al. *Nucleic Acids Res.* 18:1906-1906(1990).
Wennstroem S., et al. *Growth Factors* 4:197-208(1991).