

BFGFR, CD331
Catalog # PVGS1398**Specification****BFGFR, CD331 - Product Information**

Primary Accession

[P11362](#), [P01857](#)**Species**

Human

Sequence

RPSPTLPEQA QPWGAPVEVE SFLVHPGDL LQRCRLRDDV QSINWLRDGV QLAESNRTRI TGEEVEVQDS
VPADSGLYAC VTSSPSGSDT TYFSNVSDA LPSSDDDDDD DSSSEEKET DNTKPNPVAP YWTSPEKMEK
KLHAVPAAKT VKFKCPSSGT PNPTLRWLKN GKEFKPDHRI GGYKVRYATW SIIMDSVVPs DKGNYTCIVE
NEYGSINHTY QLDVVERSPH RPILQAGLPA NKTVALGSNV EFMCKVYSDP QPHIQWLKHI EVNGSKIGPD
NLPYVQILKT AGVNTTDKEM EVLHLRNVSF EDAGEYTCLA GNSIGLSHHS AWLTVLEALE ERPAVMTSPL
YLEGSGSGSG SPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF
NWWVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE
PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTP PVLDSDGSFF LYSKLTVDKS
RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GK

Purity

> 95% by SDS-PAGE and HPLC analyses.

Endotoxin Level

< 0.2 EU/ µg, determined by LAL method.

Formulation

Lyophilized after extensive dialysis against PBS.**Reconstitution**Reconstituted in ddH₂O at 100 µg/mL.**BFGFR, CD331 - Additional Information****Target Background**

Fibroblast Growth Factor Receptor-1 (FGFR-1) is a transmembrane tyrosine kinase receptor belonging to the FGFR family. FGFR family has 4 members, FGFR-1 to FGFR-4, and they all have similar structural characteristics with 3 extracellular immunoglobulin-like (Ig) domains. FGFRs bind to FGFs with the second and third Ig domains, and complex with heparin sulfate when binding. The binding to FGF induces the dimerization of FGFR and the phosphorylations of the intracellular tyrosines. Furthermore, the phosphorylated FGFR activates downstream signaling pathways, including STAT/JAK, RAS/MAPK, and PI3 K/AKT. Particularly, the signaling of FGFR-1 is stronger than that of FGFR-2, and sustains longer than that of FGFR-4. FGFR-1 is involved in the breast cancer: the patients with the FGFR-1 amplification are more likely to develop distant metastases, and the amplification of FGFR-1 is significantly associated with a shorter overall survival. **Recombinant human FGFR-1 alpha(IIIc)-Fc (rhFGFR-1 alpha(IIIc)-Fc)** produced in Sf9 is a single glycosylated polypeptide chain containing 592 amino acids. A fully biologically active molecule, rhFGFR-1 alpha(IIIc)-Fc has a molecular mass of around 90 kDa analyzed by reducing SDS-PAGE and is obtained by proprietary chromatographic techniques at .

BFGFR, CD331 - Protein Information

BFGFR, CD331 - 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](#)

BFGFR, CD331 - Images