

# Human FGFR1 Recombinant Protein



RPPB5835

## Product Information Protein Information

**Product SKU:**

RPPB5835

**Accession:**

P11362

**Host:**

Insect Cells.

**Protein description:**

Soluble FGFR-1a (IIIc) Fc Chimera Human Recombinant fused with Xa cleavage site with the Fc part of human IgG1 produced in baculovirus is a heterodimeric, glycosylated, Polypeptide chain containing 601 amino acids and having a molecular mass of 170 kDa. The FGFR1 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

FGFR-1, bFGF-R, C-FGR, CD331, fms-related tyrosine kinase 2, Pfeiffer syndrome, CEK, FLG, FLT2, KAL2, BFGFR, FGFR, HBGFR, FGFR1/FGFR1OP2 FUSION GENE, FGFR1/ZNF198 FUSION GENE, FLG FGFR1/BCR FUSION GENE, FLG protein, FMS-LIKE GENE, N-sam tyrosine kinase, basic fibroblast growth factor receptor 1.

**Formulation:**

CD331 was lyophilized from a concentrated (1 mg/ml) sterile solution containing 1xPBS.

**Purity:**

Greater than 90.0% as determined by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized bFGF-R in sterile PBS not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized FGFR1A although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FGFR1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

RPSPTLPEQAQPWGAPVEVESFLVHPGDLLQLRCRLRDDVQSIWLRDGVQL  
AESNRTRITGEEVEVQDSVPADSGLYACVTSSPSGSDTTYFSVNVSDALPSS  
EDDDDDDDSSSEKETDNTKPNRMPVAPYWTSPEKMEKLLHAVPAAKTVKFK  
CPSSGTPNPTLRWLKNGKEFKPDHRIGGYKVRATWSIIMDSVVPSDKGNYT  
CIVENEYGSINHTYQLDVVERSPHRPILQAGLPANKTVALGSNVEFMCKVYS  
DPQPHIQWLKHIEVNGSKIGPDNLPYVQILKTAGVNTTDKEMEVLHLRNVSF  
EDAGEYTCLAGNSIGLSHSAWLTVLEALEERPAVMTSPLYLEDPRRASIEG  
RGDPEEPKSCDKHTCPGPCAPELLGGPSVFLFPPKPKDTLMISRTPEVTCV  
VVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWL  
NGKEYCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLT

CLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQ  
QGNVFSCSVMHEALHNHYTQKSLSLSPGK

**Biological Activity:**

Determined by its ability to inhibit human FGF acidic-dependent proliferation on R1 cells. The ED50 for this effect is typically at 15.0-30.0 ng/ml.