

FGFR1

Human Recombinant FGFR1/Fc Chimera, soluble

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|---------------------------------|--|------------------|----------------|
| Catalog No. | CRF016A CRF016B | Quantity: | 10 µg 50 µg |
| Alternate Names: | Fibroblast growth factor receptor 1/Fc chimera | | |
| Description: | <p>Recombinant human soluble FGFR-1a (IIIc) was fused via a Xa cleavage site with the Fc part of human IgG₁. Human recombinant soluble FGFR-1a (IIIc)/Fc is a disulfide-linked heterodimeric protein.</p> <p>Fibroblast Growth Factors (FGFs) comprise a family of at least eighteen structurally related proteins that are involved in a multitude of physiological and pathological cellular processes, including cell growth, differentiation, angiogenesis, wound healing and tumorigenesis. The biological activities of the FGFs are mediated by a family of type I transmembrane tyrosine kinases which undergo dimerization and autophosphorylation after ligand binding.</p> | | |
| UniProt ID: | P11362 | | |
| Gene ID: | 2260 | | |
| Source: | Insect cells | | |
| Molecular Weight: | ~130 kDa, predicted, dimer (601 aa) ~170 kDa, apparent, due to glycosylation | | |
| Formulation: | Lyophilized from PBS | | |
| Purity: | > 90%, by SDS-PAGE and visualized by silver stain | | |
| Endotoxin Level: | < 1 EU/µg sFGF-R1a | | |
| Biological Activity: | Determined by its ability to inhibit human FGF basic-dependent proliferation on HUVE cells. | | |
| Amino Acid Sequence: | <p>RPSPTLPEQAQPWGAPVEVESFLVHPGDLLQLRCRLRDDVQSINWLRDGVQLAESNRT RITGEEVEVQDSVPADSGLYACVTSSPSGSDTTYFSVNVSDALPSSSEDDDDDDSSSE EKETDNTKPNRMPVAPYWTSPEKMEKKLHAVPAAKTVKFKCPSGTPNPTLRWLKNG KEFKPDHRIGGYKVRYATWSIIMDSVVPDCKGNYTCIVENEYGSINHTYQLDVVERSPH RPILQAGLPANKTVALGNSVEFMCKVYSDPQPHIQWLKHIEVNGSKIGPDNLPYVQILKT AGVNTTDKEMEVLHLRNVSFEDAGEYTCLAGNSIGLSHHSAWLTVLEALEERPAMVTSP LYLEDPRRASIEGRGDPEEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPL EVTQVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWL NGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPP SDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCSSVMHEAL HNHYTQKSLSLSPGK</p> | | |
| Reconstitution: | Centrifuge vial prior to opening. Reconstitute sFGFR-1a (IIIc)/Fc in PBS or medium to a concentration not lower than 50 µg/ml. Human sFGFR-1a (IIIc)/Fc is soluble in water and most aqueous buffers. Addition of a carrier protein, such as 0.1% HSA, is recommended for stability. | | |
| Storage & Stability: | Store lyophilized product at -20°C to -80°C. The reconstituted product should be stored in working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles. | | |

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