

sFGFR-1 (IIIc)/Fc Chimera, Human Recombinant

Catalog No.	CRF016A	Quantity:	10 µg
	CRF016B		50 µg

Description: 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. The reduced form of human FGF-R1a (IIIc)/Fc is a monomer with a calculated molecular mass of ~66 kDa. As a result of glycosylation, the recombinant protein has a mass of 90-95 kDa.

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.

Source: Insect cells

Molecular Weight: 190 kDa

Formulation: Lyophilized

Purity: > 90%, by SDS-PAGE and visualized by silver stain

Endotoxin Level: < 0.1 ng per µg of sFGF-R1a

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

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.

Storage & Stability: The lyophilized product is stable for more than six months when kept at ≤-20°C. The reconstituted product should be stored in working aliquots at -20°C to -80°C. **Avoid repeated freeze-thaw cycles.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.