FGFR-2/Fc Chimera, soluble Active Protein | FGFR-2/Fc Chimera active protein

Human FGFR-2/Fc Chimera, soluble

CATALOG #	HOST	REACTIVITY
AAA79217	**Insect Cells**	**Human**

PRODUCT SYNONYMS

FGFR-2/Fc Chimera; soluble; Human FGFR-2/Fc Chimera; Recombinant Human Soluble FGFR-2/Fc Chimera; Fibroblast growth factor receptor 1; Fms-like tyrosine kinase 2; CD331; FGFR-2/Fc Chimera active protein

PRODUCT SPECIFICATIONS

Host	Insect Cells
Reactivity	Human
Purity/Purification	> 90% by SDS-PAGE & silver stain
Form/Format	Lyophilized
Sequence	RPSFSLVEDT TLEPEEPPTK YQISQPEVYV AAPGESLEVR CLLkDaAVIS WTKDGVHLGP NNRTVLIGEY LQIKGATPRD SGLYACTASR TVDSETWYFM VNVTDAISSG DDEDDTDGAE DFVSENSNNK RAPYWTNTEK MEKRLHAVPA ANTVKFRCPA GGNPMPTMRW LKNGKEFKQE HRIGGYKVRN QHWSLIMESV VPSDKGNYTC VVENEYGSIN HTYHLDVVER SPHRPILQAG LPANASTVVG GDVEFVCKVY SDAQPHIQWI KHVEKNGSKY GPDGLPYLKV LKAAGVNTTD KEIEVLYIRN VTFEDAGEYT CLAGNSIGIS FHSAWLTVLP APGREKEITA SPDYLEDPRR ASIEGRGDPE EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE PQVYTLPPSR DELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTTP PVLDSDGSFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNH YTQKSLSLSP GK
Sequence Length	602
Buffer	PBS
Preparation and Storage	Lyophilized samples are stable for greater than six months at -20 degree C to -70 degree C. Reconstituted sFGFR-2/Fc should be stored in working aliquots at -20 degree C.

ADDITIONAL INFORMATION

Related Product Information for FGFR-2/Fc Chimera active protein	Recombinant human soluble FGFR-2 alpha (IIIc) was fused via a Xa cleavage site with the Fc part of human IgG1. Human recombinant soluble FGFR-2 alpha (IIIc) is a disulfide-linked heterodimeric protein. In the reduced form the glycosylated subunits of sFGFR-2 alpha/human Fc chimera display a molecular mass of 80-85 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. Four distinct genes encoding closely related FGF receptors, FGFR-1 to -4 are known. Multiple forms of FGFR-1 to -3 are generated by alternative splicing of the mRNAs. A frequent splicing event involving FGFR-1 and -2 results in receptors containing all three Ig domains, referred to as the alpha isoform, or only IgII and IgIII, referred to as the beta isoform. Only the alpha isoform has been identified for FGFR-3 and FGFR-4. Additional splicing events for FGFR-1 to -3, involving the C-terminal half of the IgIII domain encoded by two mutually exclusive alternative exons, generate FGF receptors with alternative IgIII domains (IIIb and IIIc). A IIIa isoform which is a secreted FGF binding protein containing only the N-terminal half of the IgIII domain plus some intron sequences has also been reported for FGFR-1. Mutations in FGFR-1 to -3 have been found in patients with birth defects involving craniosynostosis.
Product Categories/Family for FGFR-2/Fc Chimera active protein	Soluble receptors

References	1. Eisemann et al, Oncogene 6:1195, 199

NCBI AND UNIPROT INFORMATION

NCBI GI #	221316639
NCBI GeneID	2263
NCBI Accession #	NP_000132
NCBI GenBank Nucleotide #	NM_000141
UniProt Accession #	P21802; P18443; Q01742; Q12922; Q14300; Q14301; Q14302; Q14303; Q14304; B4DFC2; E7EVR6; E9PCR0
Molecular Weight	~170 kDa (Dimer)
NCBI Official Full Name	fibroblast growth factor receptor 2 isoform 1
NCBI Official Synonym Full Names	fibroblast growth factor receptor 2
NCBI Official Symbol	FGFR2
NCBI Official Synonym Symbols	BEK; JWS; BBDS; CEK3; CFD1; ECT1; KGFR; TK14; TK25; BFR-1; CD332; K-SAM
NCBI Protein Information	fibroblast growth factor receptor 2; FGFR-2; FGF receptor; soluble FGFR4 variant 4; bacteria-expressed kinase; hydroxyaryl-protein kinase; FGFR2-AHCYL1 fusion kinase protein; keratinocyte growth factor receptor; BEK fibroblast growth factor receptor; protein tyrosine kinase, receptor like 14
UniProt Protein Name	Fibroblast growth factor receptor 2
UniProt Gene Name	**FGFR2**
UniProt Synonym Gene Names	BEK; KGFR; KSAM; FGFR-2; KGFR
UniProt Entry Name	FGFR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/insect-cells-human-active-protein/fgfr-2-fc-chimera-soluble/79217