Product Data Sheet

Product Name:	FGFR2 Human, His
Cat. No.:	GP22501
Batch No.:	1

Product Data

Purity	>98%	Source	Sf9,Baculovirus cells.
Phycical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	EC 2.7.10; FGFR-2; BFR-1; CD332; BBDS; CEK3; ECT1; TK14; TK25; CFD1; KSAM; JWS; Fibroblast Growth Factor Receptor 2; Keratinocyte Growth Factor Receptor; Bacteria-Expressed Kinase; EC 2.7.10.1; K-SAM; KGFR; BEK; Protein Tyrosine Kinase; Receptor Like 14; BEK Fibroblast Growth Factor Receptor; Craniofacial Dysostosis 1; Jackson-Weiss Syndrome; Pfeiffer Syndrome; Crouzon Syndrome; CD332 Antigen.		
Amino Acid 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 LKHSGINSSN AEVLALFNVT EADAGEYICK VSNYIGQANQ SAWLTVLPKQ QAPGREKEIT ASPDYLELEP KSCDKTHTCP PCPAPELLGG PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLHQDWLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSRDE LTKNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTTPPV LDSDGSFFLY SKLTVDKSRW QQGNVFSCSV MHEALHNHYT QKSLSLSPGK HHHHHH.		
Formulation	FGFR2 protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

Fibroblast Growth Factors (FGFs) comprise a family of at least eighteen structurally realted proteins that are involved in a multitude of physiological and pathological cellular processes, including cell growth, differentation, angiogenesis, wound healing

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

and tumorgenesis. The biological activities of the FGFs are mediated by a family if type I transmembrane tyrosine kinases which undergo dimerization and autophosphorylation after ligand binding. Four distinct genes encoding closely related FGF receptors, FGFR-1to -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 ? 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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Background

FGFR2 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 596 amino acids (22-378a.a.) and having a molecular mass of 66.6kDa (Molecular size on SDS-PAGE will appear at approximately 70-100kDa).FGFR2 is expressed with a 239 amino acids hIgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA