

Product information

FGFR3, 23-375aa

Human, hlgG-His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3654

Full name: Fibroblast growth factor receptor 3 isoform 1

NCBI Accession No.: NP_000133

Synonyms: FGFR3, ACH, CD333, CEK2, HSFGR3EX, JTK4

Description: FGFR3, also known as fibroblast growth factor receptor 3 isoform 1, is a member of the fibroblast growth factor receptor family. It is a family of polypeptide growth factors involved in a variety of activities including mitogenesis, angiogenesis, and wound healing. Its activation results in autophosphorylation of multiple tyrosine residues within the intracellular domain. It plays an essential role in the regulation of chondrocyte differentiation, proliferation and apoptosis, and is required for normal skeleton development. It frequently involved in human developmental disorders and is associated with several cancers, including multiple myeloma (MM). Recombinant human FGFR3, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 65.1kDa (592aa)

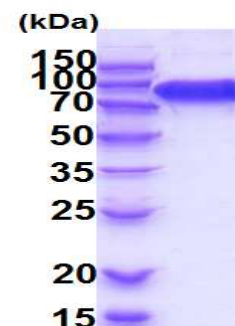
70-100kDa (SDS-PAGE under reducing conditions)

Predicted N terminal: Glu23

Purity: > 95% by SDS - PAGE.

Concentration: 1mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)



15% SDS-PAGE (3µg)

Sequences of amino acids:

ESLGTQRVV GRAAEVPGPE PGQEQQLVFG SGDAVELSCP PPGGGPMGPT VVWKDGTGLV PSERVLVGPQ RLQVLNASHE DSGAYSCRQR
 LTQRVLCHFS VRVTDAPSSG DDEDEGEAE DTGVDTGAPY WTRPERMDKK LLAVPAANTV RFRCPAAGNP TPSISWLKNG REFRGEHRIG
 GIKLRHQQWS LVMSVPSD RGNVTCVVEN KFGSIRQTYT LDVLESPHR P ILQAGLPAN QTAVLGSDVE FHCKVYSDAQ PHIQWLKHVE
 VNGSKVGPDG TPYVTVLKTA GANTTDKELE VLSLHNVTFE DAGEYTCLAG NSIGFSHSA WLVLPAEEE LVEADEAGSV YAGLEPKSCD
 KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ
 DWLNGKEYKC KVSNAKLPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNQGPENNY KTTTPVLDSD
 GSFFLYSKLT VDKSRWQQGN VFSCSVMEHA LHNHYTQKSL SLSPGKHHHH HH

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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General references:

Keegan K., *et al.* (1991) *Proc Natl Acad Sci U S A.* 88:1095-1099.

Castaño-Betancourt MC., *et al.* (2016) *PLoS Genet.* 12:e1006260.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

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Manufactured for:

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