

Recombinant human FGF receptor 3/FGFR3 protein

Catalog Number: ATGP3654

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

23-375aa

UniProt No.

P22607

NCBI Accession No.

NP_000133

Alternative Names

Fibroblast growth factor receptor 3 isoform 1, FGFR3, ACH, CD333, CEK2, HSFGR3EX, JTK4, Achondroplasia, Thanatophoric dwarfism

PRODUCT SPECIFICATION

Molecular Weight

65.1 kDa (592aa)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

hIgG-His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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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 hIlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ESLGTEQRVV GRAAEVPGPE PGQQEQLVFG SGDAVELSCP PPGGGPMGPT VVVKDGTGLV PSERVLVGPO RLQVLNASHE
 DSGAYSCRQR LTQRVLCHFS VRVTDAPSSG DDEDGEDEAE DTGVDTGAPY WTRPERMDKK LLAVPAANTV RFRCPAAGNP
 TPSISWLKNG REFRGEHRIG GIKLRHQQWS LVMESVVPD RGNYTCVVEN KFGSIRQTYT LDVLESPHR PILQAGLPAN
 QTAVLGS DVE FHCKVYSDAQ PHIQLWKHVE VNGSKVGPDG TPYVTVLKTA GANTTDKELE VLSLHNVTFE DAGEYTCLAG
 NSIGFSHSA WLVLPAEEE LVEADEAGSV YAGLEPKSCD KTHTCP PCA PELLGGPSVF LFPPKPKDTL MISRTPEVTC
 VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVS NKALPAP IEKTISKAKG
 QPREPVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTTPVLDSG GSFFLYSKLT VDKSRWQQGN
 VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH

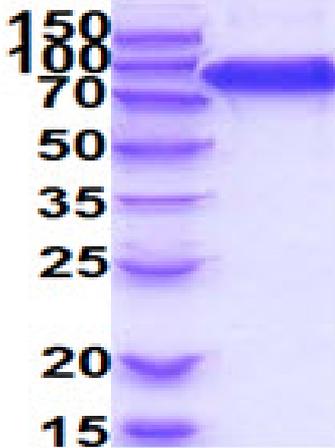
General References

Keegan K., et al. (1991) Proc Natl Acad Sci U S A. 88:1095-1099.
 Castano-Betancourt MC., et al. (2016) PLoS Genet. 12:e1006260.

DATA

SDS-PAGE

(kDa)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

 15% SDS-PAGE (3ug)