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, HSFGFR3EX, 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 hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

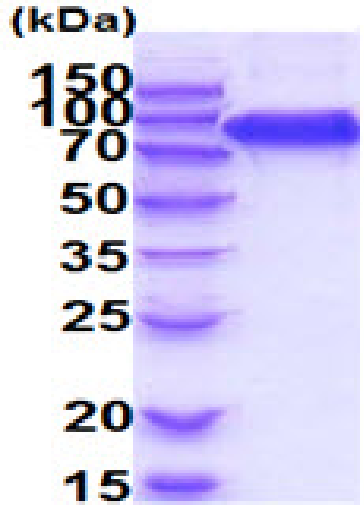
ESLGTEQRVV GRAAEVPGPE PGQQEQLVFG SGDAVELSCP PPGGGPMGPT VWVKDGTGLV PSERVLVGPQ RLQVLNASHE DSGAYSCRQR LTQRVLCHFS VRVTDAPSSG DDEDGEDEAE DTGVDTGAPY WTRPERMDKK LLAVPAANTV RFRCPAAGNP TPSISWLKNG REFRGEHRIG GIKLRHQQWS LVMESVVPSD RGNYTCVVEN KFGSIRQTYT LDVLERSPHR PILQAGLPAN QTAVLGSDVE FHCKVYSDAQ PHIQWLKHVE VNGSKVGPDG TPYVTVLKTA GANTTDKELE VLSLHNVTFE DAGEYTCLAG NSIGFSHHSA WLVVLPAEEE LVEADEAGSV YAGLEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTPPVLDSD 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



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

15% SDS-PAGE (3ug)