

Recombinant human FGF R2 alpha protein

Catalog Number: ATGP3621

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

22-378aa

UniProt No.

P21802

NCBI Accession No.

NP_075259

Alternative Names

Fibroblast growth factor receptor 2 isoform 2, FGFR2, BBDS, BEK, BFR-1, CD332, CEK3, CFD1, ECT1, JWS, K-SAM, KGFR, TK14, TK25

PRODUCT SPECIFICATION

Molecular Weight

66.6 kDa (596aa)

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

FGFR2, also known as fibroblast growth factor receptor 2 isoform 2, belongs to the fibroblast growth factor receptor subfamily where amino acid sequence is highly conserved between members and throughout evolution. It plays an important regulatory role in skeletal development and bone formation. Its dysregulation results in a

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spectrum of bone and skin pathologies and several types of cancer. Recombinant human FGFR2, fused to hlg-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

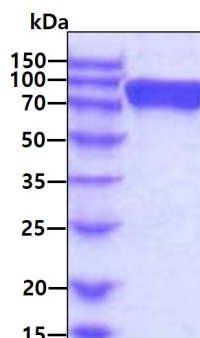
RPSFSLVEDT TLEPEEPPTK YQISQPEVYV AAPGESLEVR CLLKDAAVIS WTKDGVHLGP NNRTVLIGEY LQIKGATPRD
SGLYACTASR TVDSETWYFM VNVTDAISSG DDEDDTDGAE DFVSENSNNK RPYWTNTEK MEKRLHAVPA ANTVKFRCPA
GGNPMPTMRW LKNGKEFKQE HRIGGYKVRN QHWSLIMESV VPSDKGNYTC VVENEYGSIN HTYHLDVVER SPHRPILQAG
LPANASTVVG GDVEFVCKVY SDAQPHIQWI KHVEKNGSKY GPDGLPYLKV LKHSGINSSN AEVLALFNVT EADAGEYICK
VSNYIGQANQ SAWLTVLPKQ QAPGREKEIT ASPDYLE<LEP KSCDKTHTCP PCPAPELLGG PSVFLFPPKP KDTLMISRT
EVTCTVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLHQDWLNGK EYKCKVSNKA LPAPIEKTIS
KAKGQPREPQ VYTLPPSRDE LTKNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTPPV LDSDGSFFLY SKLTVDKSRW
QQGNVFSCSV MHEALHNHYT QKSLSLSPGK HHHHHH>

General References

Kaabeche K., et al. (2004) J Biol Chem. 279:36259-36267.
Katoh M., et al. (2009) J Invest Dermatol. 129:1861-1867.

DATA

SDS-PAGE



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