

# Recombinant human FGF R2 alpha protein

Catalog Number: ATGP3621

## PRODUCT INFORMATION

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### 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

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### 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

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### 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 hlgG-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 NNRTLIGIY LQIKGATPRD  
SGLYACTASR TVDSETWYFM VNVTDAISSG DDEDDTDGAE DFVSENSNNK RAPHWTNTEK 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 KDTLMISRTP  
EVTVCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLHQDWLNGK EYKCKVSNKA LPAPIEKTIS  
KAKGQPREPQ VYTLPPSRDE LTKNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTTTPV LDSDGSFFLY SKLTVDKSRW  
QQGNVFSCSV MHEALHNHYT QKSLSLSPGK HHHHHH>

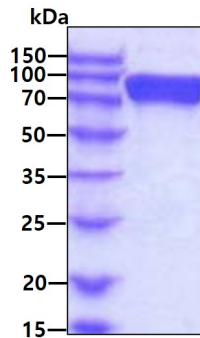
## General References

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.