

# Recombinant human FGF receptor 4/FGFR4 protein

Catalog Number: ATGP3423

## PRODUCT INFORMATION

**Expression system**

Baculovirus

**Domain**

22-369aa

**UniProt No.**

P22455

**NCBI Accession No.**

NP\_002002

**Alternative Names**

Fibroblast growth factor receptor 4, FGFR-4, CD334, JTK2, TKF

## PRODUCT SPECIFICATION

**Molecular Weight**

39.5 kDa (356aa)

**Concentration**

0.25mg/ml (determined by absorbance at 280nm)

**Formulation**

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

**Purity**

> 90% by SDS-PAGE

**Endotoxin level**

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

**Tag**

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**

FGFR4, as known as fibroblast growth factor receptor 4 isoform 1, is a glycosylated transmembrane receptor tyrosine kinase. This protein is widely expressed during embryonic development and in adult liver, kidney, and lung. Also, it is associates with beta-Klotho and sulfated glycosaminoglycans, and these interactions increase the affinity of FGFR4 for its ligands as well as its signaling capacity. This receptor signaling is additionally required

# Recombinant human FGF receptor 4/FGFR4 protein

Catalog Number: ATGP3423

for skeletal muscle development in limbs. Recombinant human FGFR4, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

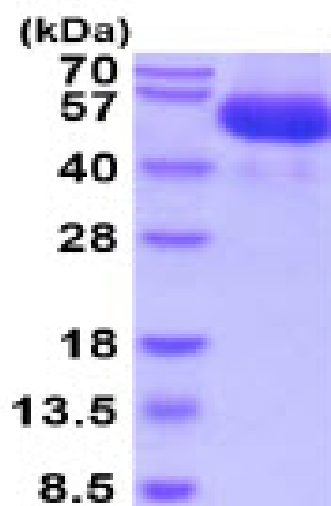
LEAEEVELE PCLAPSLEQQ EQELTVALGQ PVRLCCGRAE RGGHWYKEGS RLAPAGRVRG WRGRLEIASF LPEDAGRYLC  
LARGSMIVLQ NLTITGDSL TSSNDDDEPK SHRDPSNRHS YPQQAPYWTH PQRMEKKLHA VPAGNTVKFR CPAAGNPTPT  
IRWLKDGQAF HGENRIGGIR LRHQHWSLVM ESVVPSDRGT YTCLVENAVG SIRYNYLLDV LERSPHRPIL QAGLPANTTA  
VVGSDVELLC KVYSDAQPHI QWLKHIVING SSFGADGFPY VQVLKTADIN SSEVEVLYLR NVSAEDAGEY TCLAGNSIGL  
SYQSAWLTVL PEEDPTWTAA APEARYTDLE HHHHHH

## General References

Liu R., et al. (2013) Cancer Res. 73:5926-5935.  
Shen YY., et al. (2013) World J. Gastroenterol. 19:4568-4575.

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)