

Recombinant human FGF receptor 1/FGFR1 protein

Catalog Number: ATGP3828

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

22-285aa

UniProt No.

P11362

NCBI Accession No.

NP_075594

Alternative Names

Fibroblast growth factor receptor 1 isoform 1, FGFR-1, Basic fibroblast growth factor receptor 1, BFGFR, bFGF-R-1, Fms-like tyrosine kinase 2, FLT-2, N-sam, Proto-oncogene c-Fgr, CD331, CEK, FGFR, FLG, HBGFR, KAL2, Pfeiffer syndrome

PRODUCT SPECIFICATION

Molecular Weight

30.4 kDa (272aa)

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

FGFR1b, also known as fibroblast growth factor receptor 1 isoform 4, is a member members of the fibroblast growth factor family. It is required for normal mesoderm patterning and correct axial organization during

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embryonic development, normal skeletogenesis and normal development of the gonadotropin-releasing hormone (GnRH) neuronal system. Tyrosine-protein kinase that acts as cell-surface receptor for fibroblast growth factors and plays an essential role in the regulation of embryonic development, cell proliferation, differentiation and migration. Signaling of this protein is down-regulated by IL17RD/SEF, and by FGFR1 ubiquitination, internalization and degradation. Recombinant human FGFR1b protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

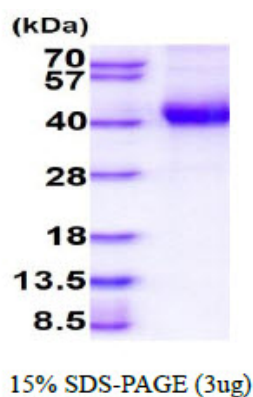
RPSPTLPEQD ALPSSDDDD DDDSSSEEKE TDNTKPNPVA PYWTSPEKME KKLHAVPAAK TVKFKCPSSG TPNPTLRWLK
NGKEFKPDHR IGGYKVRYAT WSIIMDSVVP SDKGNYTCIV ENEYGSINHT YQLDVVERSP HRPILQAGLP ANKTVALGSN
VEFMCKVYSD PQPHIQWLKH IEVNGSKIGP DNLPLYVQILK TAGVNTTDE MEVLHLRNVS FEDAGEYTCL AGNSIGLSHH
SAWLTVLEAL EERPAVMTSP LYLELEHHHH HH

General References

Lee JM., et al, (2008) Dev Biol. 314:341-350.
Xu R., et al, (2013) FEBS J. 280:2260-2270.

DATA

SDS-PAGE



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