

Recombinant human FGF receptor 1/FGFR1 protein

Catalog Number: ATGP3647

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

22-376aa

UniProt No.

P11362

NCBI Accession No.

NP_075598

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, FGFBR, FLG, HBGFR, KAL2, Pfeiffer syndrome

PRODUCT SPECIFICATION

Molecular Weight

40.4 kDa (363aa)

Concentration

0.5mg/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

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

FGFR1, also known as fibroblast growth factor receptor 1, is a receptor tyrosine kinase whose ligands are specific members of the fibroblast growth factor family. It is involved in a multitude of physiological and pathological

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cellular processes, including cell growth, differentiation, angiogenesis, wound healing and tumorigenesis. The biological activities of the FGFs are mediated by a family of type I transmembrane tyrosine kinases which undergo dimerization and auto-phosphorylation after ligand binding. Recombinant human FGFR1 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

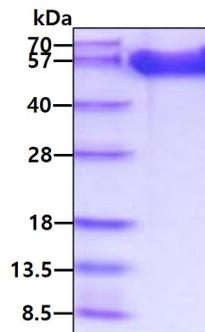
RPSTLPEQA QPWGAPVEVE SFLVHPGDLL QLRCRLRDDV QSINWLRDGV QLAESNRTRI TGEEVEVQDS VPADSGLYAC
VTSSPSGSDT TYFSVNVSDA LPSSDDDDDD DDSSEEKET DNTKPNRMPV APYWTSPEKM EKKLHAVPAA KTVKFKCPSS
GTPNPTLRWL KNGKEFKPDH RIGGYKVRYA TWSIIMDSV PSDKGNYTCI VENEYGSINH TYQLDVVERS PHRPILQAGL
PANKTVALGS NVEFMCKVYS DPQPHIQWLK HIEVNGSKIG PDNLPYVQIL KTAGVNTTDK EMEVLHLRNV SFEDAGEYTC
LAGNSIGLSH HSAWLTVLEA LEERPAVMTS PLY<LELEHHH HHH>

General References

Bennett JT., et al, (2016) Am. J. Hum. Genet. 98: 579-587.
Wu AL., et al, (2013) PLoS One.8: e57322.

DATA

SDS-PAGE



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