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 tumorgenesis. 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

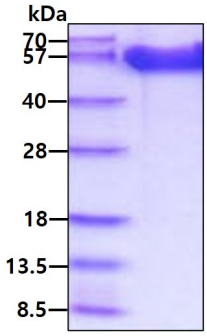
RPSPTLPEQA QPWGAPVEVE SFLVHPGDLL QLRCRLRDDV QSINWLRDGV QLAESNRTRI TGEEVEVQDS VPADSGLYAC VTSSPSGSDT TYFSVNVSDA LPSSEDDDDD DDSSSEEKET DNTKPNRMPV APYWTSPEKM EKKLHAVPAA KTVKFKCPSS GTPNPTLRWL KNGKEFKPDH RIGGYKVRYA TWSIIMDSVV PSDKGNYTCI VENEYGSINH TYQLDVVERS PHRPILQAGL PANKTVALGS NVEFMCKVYS DPQPHIQWLK HIEVNGSKIG 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



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