

Recombinant Human FGFR1 Oncogene Partner, His-tagged

Cat. No. FGFR1OP-6790H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanFGFR1OP protein, fused to His-tag at N-terminus, was expressed in E.coli andpurified by using conventional chromatography
Species	Human
Source	E.coli
Description	FGFR1OP, also knownas FGFR1 oncogene partner, belongs to the FGFR1OP family. This protein is alargely hydrophilic protein postulated to be a leucine-rich protein familymember. A t(6;8)(q27;p11) chromosomal translocation, fusing this gene and thefibroblast growth factor receptor 1 (FGFR1) gene, has been found in cases ofmyeloproliferative disorder. The resulting chimeric protein contains theN-terminal leucine-rich region of this encoded protein fused to the catalyticdomain of FGFR1. This gene is thought to play an important role in normalproliferation and differentiation of the erythroid lineage
Form	Liquid. 20mMTris-HCl buffer (pH8.0) containing 10% glycerol, 1mM DTT
Molecular Weight	43.5 kDa (403aa),confirmed by MALDI-TOF
Purity	> 85% by SDS -PAGE
Concentration	1mg/ml (determinedby Bradford assay)
Sequences of	MGSSHHHHHHSSGLVPRGSH MGSMAATAA AVVAEEDTEL RDLLVQTLEN

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aminoacids

SGVLNRIKAE LRAAVFLALE EQEKVENKTPLVNESLKKFL NTKDGRLVAS
 LVAEFLQFFN LDFTLAVFQP ETSTLQGLEG RENLARDLGI
 IEAEGTVGGPLLLEVIRRCQ QKEKGPTTGE GALDLSDVHS PPKSPEGKTS
 AQTPSKKAN DEANQSDTSV SLSEPKSKSSLHLLSHETKI GSFLSNRTLD
 GKDKAGLCPD EDDMEGDSFF DDPIPKPEKT YGLRKEPRKQ
 AGSLASLSDAPPLKSGLSSL AGAPSLKDSE SKRGNTVLKD LKLISDKIGS
 LGLGTGEDDD YVDDFNSTSH RSEKSEISIGEEIEEDLSVE IDDINTSDKL
 DDLTQDLTVS QLSDVADYLE DVA

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles

GENE INFORMATION
Gene Name

FGFR1OP FGFR1 oncogene partner[Homo sapiens]

Official Symbol

FGFR1OP

Synonyms

FGFR1OP; FGFR1 oncogene partner; FOP; OTTHUMP00000017612;
 OTTHUMP00000017613; fibroblast growth factor receptor 1 oncogene partner

Gene ID

11116

mRNA Refseq

NM_194429

Protein Refseq

NP_919410

MIM

605392

UniProt ID

O95684

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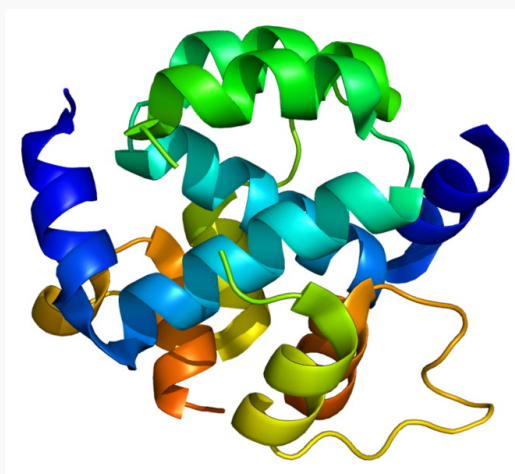
**Chromosome
Location**

6q27

Function

protein binding; protein homodimerization activity; protein kinase binding; protein tyrosine kinase inhibitor activity

**PDB rendering based
on 2d68.**



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