

# Recombinant human FGFR1OP protein

Catalog Number: ATGP1565

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-379aa

### UniProt No.

O95684

### NCBI Accession No.

NP\_919410

### Alternative Names

FGFR1 oncogene partner, FOP

## PRODUCT SPECIFICATION

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### Molecular Weight

43.5 kDa (403aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT

### Purity

> 85% by SDS-PAGE

### 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

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### Description

FGFR1OP, also known as FGFR1 oncogene partner, belongs to the FGFR1OP family. This protein is a largely hydrophilic protein postulated to be a leucine-rich protein family member. A t (6;8) (q27;p11) chromosomal translocation, fusing this gene and the fibroblast growth factor receptor 1 (FGFR1) gene, has been found in cases of myeloproliferative disorder. The resulting chimeric protein contains the N-terminal leucine-rich region of this encoded protein fused to the catalytic domain of FGFR1. This gene is thought to play an important role in normal proliferation and differentiation of the erythroid lineage. Recombinant human FGFR1OP protein, fused to His-tag

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at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

## Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSMAATAA AVVAEEDTEL RDLLVQTLEN SGVLNRIKAE LRAAVFLALE EQEKVENKTP  
LVNESLKKFL NTKDGRVAS LVAEFLQFFN LDFTLAVFQP ETSTLQGLEG RENLARDLGI IEAEGTVGGP LLEVIRRCQ  
QKEKGPTTGE GALDLSDVHS PPKSPEGKTS AQTTPSKKAN DEANQSDTSV SLSEPKSKSS LHLLSHETKI GSFLSNRTL  
GKDKAGLCPD EDDMEGDSFF DDPIPKPEKT YGLRKEPRKQ AGSLASLSDA PPLKSGLSSL AGAPSLKDSE SKRGNTVLKD  
LKLISDKIGS LGLGTGEDDD YVDDFNSTSH RSEKSEISIG EEIEEDLSVE IDDINTSDKL DDLTQDLTVS QLSDVADYLE DVA

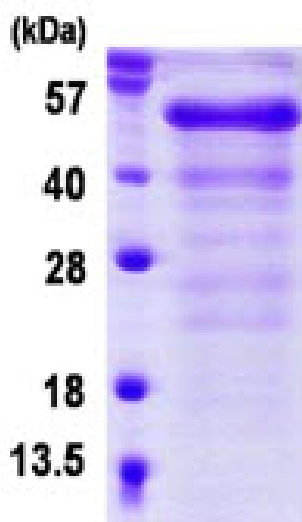
## General References

Yan X., et al. (2006) Mol. Biol. Cell. 17:634-644

Mikolajka A., et al. (2006) J. Mol. Biol. 359:863-875

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)