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# Recombinant human FGFR10P protein

Catalog Number: ATGP1565

#### PRODUCT INFORMATION

## **Expression system**

E.coli

#### **Domain**

1-379aa

#### **UniProt No.**

095684

#### **NCBI Accession No.**

NP 919410

#### **Alternative Names**

FGFR1 oncogene partner, FOP

## **PRODUCT SPECIFICATION**

## **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**

#### **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**

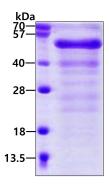
<MGSSHHHHHH SSGLVPRGSH MGSH>MAATAA AVVAEEDTEL RDLLVQTLEN SGVLNRIKAE LRAAVFLALE EQEKVENKTP LVNESLKKFL NTKDGRLVAS LVAEFLQFFN LDFTLAVFQP ETSTLQGLEG RENLARDLGI IEAEGTVGGP LLLEVIRRCQ QKEKGPTTGE GALDLSDVHS PPKSPEGKTS AQTTPSKKAN DEANQSDTSV SLSEPKSKSS LHLLSHETKI GSFLSNRTLD GKDKAGLCPD EDDMEGDSFF DDPIPKPEKT YGLRKEPRKQ AGSLASLSDA PPLKSGLSSL AGAPSLKDSE SKRGNTVLKD LKLISDKIGS LGLGTGEDDD YVDDFNSTSH RSEKSEISIG EEIEEDLSVE IDDINTSDKL DDLTQDLTVS OLSDVADYLE 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.

