

Recombinant human PF4V1/CXCL4L1 protein

Catalog Number: ATGP2655

PRODUCT INFORMATION

Expression system

E.coli

Domain

31-104aa

UniProt No.

P10720

NCBI Accession No.

NP_002611.1

Alternative Names

Platelet factor 4 variant 1, Platelet factor 4 variant, C-X-C motif chemokine 4 variant, CXCL4L1, PF4alt, PF4var1, SCYB4V1, CXCL4V1

PRODUCT SPECIFICATION

Molecular Weight

10.6 kDa (97aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% 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

PF4V1 belongs to the intercrine alpha (chemokine CxC) family. It is a inhibitor of angiogenesis and inhibitor of endothelial cell chemotaxis (in vitro). Binding to heparin is much weaker than in the close homolog PF4/CXCL4. Recombinant human PF4V1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

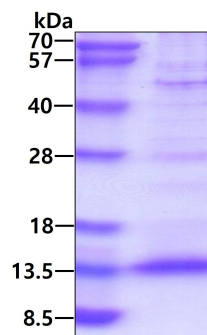
<MGSSHHHHHH SSGLVPRGSH MGS>FARAEAE EDGDLQCLCV KTTSQVRPRH ITSLEVIKAG PHCPTAQLIA TLKNGRKICL
DLQALLYKKI IKEHLES

General References

- Green CJ, Charles RS, et al. (1989). Mol Cell Biol. 9(4):1445-51.
- Eisman R, Surrey S, et al. (1990). Blood. 76(2):336-44.
- Struyf S, Burdick MD, et al. (2004). Circ Res. 95(9):855-7.
- Kuo JH, Chen YP, et al. (2013). J Biol Chem. 288(19):13522-33.

DATA

SDS-PAGE



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