PF4 (Human) Recombinant Protein

Catalog # P9560 Size 2 x 10 ug

Specification

Product Description	Human PF4 (P02776, 32 a.a. - 101 a.a.) partial recombinant protein with His tag at N-terminus expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMEAEEDGDLQCLCVKTTSQVRPRHITSLEVIKAGPHCPTAQLIATLKNGRKICLDLQAPLYKKIIKKLLES
Host	Escherichia coli
Theoretical MW (kDa)	10
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 85.0% by SDS-PAGE
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In 20mM Tris-HCl pH 8.0 (0.2 M NaCl, 2 mM DTT and 50% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — PF4

Entrez GeneID	5196

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Protein Accession#	P02776
Gene Name	PF4
Gene Alias	CXCL4, MGC138298, SCYB4
Gene Description	platelet factor 4
Omim ID	173460
Gene Ontology	Hyperlink
Gene Summary	Platelet factor-4 is a 70-amino acid protein that is released from the alpha-granules of activated pl atelets and binds with high affinity to heparin. Its major physiologic role appears to be neutralizatio n of heparin-like molecules on the endothelial surface of blood vessels, thereby inhibiting local anti thrombin III activity and promoting coagulation. As a strong chemoattractant for neutrophils and fib roblasts, PF4 probably has a role in inflammation and wound repair (Eisman et al., 1990 [PubMe d 1695112]).[supplied by OMIM
Other Designations	chemokine (C-X-C motif) ligand 4|platelet factor 4 (chemokine (C-X-C motif) ligand 4)

Pathway

- Chemokine signaling pathway
- Cytokine-cytokine receptor interaction

Disease

- Asthma
- Bronchiolitis
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Infant
- Respiratory Syncytial Virus Infections

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