Recombinant Mouse Platelet Factor 4

Cat. No. Pf4-152M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CXCL4 produced in*E.Coli*is a single, non-glycosylated polypeptide chain containing 73 amino acids and having a molecular mass of 8.2 kDa.
Species	Mouse
Source	E.coli
Description	Platelet factor-4 is a 70-amino acid protein that is released from the alpha-granules of activated platelets and binds with high affinity to heparin. Its major physiologic role appears to be neutralization of heparin-like molecules on the endothelial surface of blood vessels, thereby inhibiting local antithrombin III activity and promoting coagulation. As a strong chemoattractant for neutrophils and fibroblasts, PF4 probably has a role in inflammation and wound repair. Oncostatin-A is a member of the CXC chemocinfamily. Human PF4 is used for the proof of heparin-induced thrombocytopenia. Furthermore it is used as an inhibitor in the angiogenesis during tumor therapy.
Amino Acid Sequence	MGPEESD GDLSCVCVKT ISSGIHLKHI TSLEVIKAGR HCAVPQLIAT LKNGRKICLD RQAPLYKKVI KKILES.
Physical Appearance	Sterile Filtered white lyophilized powder.
Formulation	The Mouse CXCL4 protein was lyophilized from 1x PBS pH-7.4.

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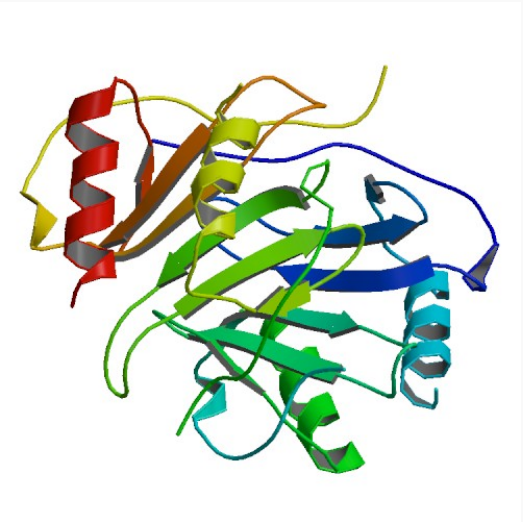
Stability	Mouse CXCL4 although stable at 25°C 1 week, should be stored desiccated below -18°C. Please prevent freeze-thaw cycles.

GENE INFORMATION

Gene Name	Pf4 platelet factor 4 [Mus musculus]
Synonyms	Pf4; platelet factor 4; Cxcl4; Scyb4; PF-4; C-X-C motif chemokine 4; chemokine (C-X-C motif) ligand 4
Gene ID	56744
mRNA Refseq	NM_019932
Protein Refseq	NP_064316
UniProt ID	Q9Z126
Chromosome Location	5 E1
Pathway	Chemokine signaling pathway; Cytokine-cytokine receptor interaction
Function	chemokine activity; cytokine activity; heparin binding

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PDB rendering based on 1f9q.



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