

Active Recombinant Mouse Pf4 Protein

Cat. No. Pf4-4803M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse platelet factor 4 (Pf4 / PF-4) without tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Val30-Ser105
Description	Released during platelet aggregation. Neutralizes the anticoagulant effect of heparin because it binds more strongly to heparin than to the chondroitin-4-sulfate chains of the carrier molecule. Chemotactic for neutrophils and monocytes. Inhibits endothelial cell proliferation.
Bio-activity	The ED50 is 3-5 µg/ml, corresponding to a specific activity $2.0-3.3 \times 10^2$ units/mg, determined by a dose-dependent inhibition of human FGF-basic-dependent proliferation of human umbilical vein endothelial cells (HUVEC).
Molecular Mass	8.2 kDa
Endotoxin	Less than 0.01 ng/µg protein as determined by the LAL method
Purity	> 98%, as determined by Coomassie stained SDS-PAGE.
Stability	Stable for at least 6 months from date of receipt under proper storage and handling

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conditions.

Storage	Store at -80 centigrade.
Concentration	Protein formulated and vialled at >50 µg/mL in specified buffer
Storage Buffer	1 x PBS

GENE INFORMATION

Gene Name	Pf4 platelet factor 4 [Mus musculus (house mouse)]
Official Symbol	Pf4
Synonyms	PF4; platelet factor 4; PF-4; C-X-C motif chemokine 4; chemokine (C-X-C motif) ligand 4; Cxcl4; Scyb4
Gene ID	56744
mRNA Refseq	NM_019932
Protein Refseq	NP_064316
UniProt ID	Q9Z126

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