

# Active Recombinant Mouse Pf4 Protein

**Cat. No.** Pf4-4802M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of Mouse platelet factor 4 (Pf4) without tag was expressed in E. coli.                                                                                                                                                                                   |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | 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. |
| <b>Bio-activity</b>     | Determined by its ability to chemoattract human neutrophils using a concentration range of 10.0-100.0 ng/mL.                                                                                                                                                                          |
| <b>Molecular Mass</b>   | 8.2 kDa                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | VTSAGPEESDGDLSVCVKTISSGIHLKHITSLEVIKAGRHCAPVQLIATLKNRGIKICL<br>DRQAPLYKKVIKKILES                                                                                                                                                                                                      |
| <b>Endotoxin</b>        | < 0.1 ng/μg of protein (< 1 EU/μg)                                                                                                                                                                                                                                                    |
| <b>Purity</b>           | > 95% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                           |
| <b>Stability</b>        | Stable for at least 6 months from date of receipt under proper storage and handling                                                                                                                                                                                                   |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

conditions.

**Storage**

Store at -80 centigrade.

**Storage Buffer**

Lyophilized from a 0.2 µM filtered solution of 20 mM phosphate buffer, 100 mM NaCl, pH 7.2

## 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

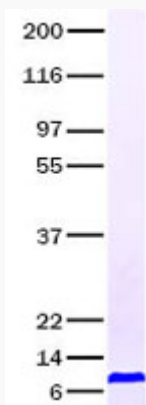
**UniProt ID**

Q9Z126

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**SDS-PAGE**

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