

Active Recombinant Full Length Mouse Pf4 Protein, Tag Free

Cat. No. Pf4-01MFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse CXCL4/PF4 protein (1-105 aa) without tag was expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	1-105 aa
Description	Predicted to enable CXCR3 chemokine receptor binding activity; chemokine activity; and heparin binding activity. Involved in antimicrobial humoral immune response mediated by antimicrobial peptide and defense response to protozoan. Located in collagen-containing extracellular matrix. Is expressed in several structures, including blood vessel; bone marrow; central nervous system; liver; and yolk sac. Human ortholog(s) of this gene implicated in multiple myeloma. Orthologous to human PF4 (platelet factor 4) and PF4V1 (platelet factor 4 variant 1).
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by its ability to inhibit the FGF basic-dependent proliferation of HUVEC human umbilical vein endothelial cells. The ED50 for this effect is 2-10 µg/mL.
Molecular Mass	8.2 kDa
Endotoxin	< 0.10 EU/µg of the protein by the LAL method.

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Purity	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Applications	Binding Activity
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS.
N-terminal Sequence Analysis	Val30

GENE INFORMATION

Gene Name	Pf4 platelet factor 4 [<i>Mus musculus</i>]
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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