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Recombinant Bovine Platelet Factor 4 (PF4)

Cat. No.: AP1C236

Product Type: Animal Proteins

Size: 10 μg; 100 μg; 500 μg

Product Overview

BioVenic's Recombinant Bovine Platelet Factor 4 (PF4) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 9.5 kDa. The purity is>90% (SDS-PAGE).

Specifications

Type	Recombinant Protein
Species	Bovine
Expression System	*E.coli*
Purity	>90% (SDS-PAGE)
Predicted Molecular Weight	9.5 kDa
Physical State	Lyophilized
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM PB, pH 7.0, 500 mM NaCl.

Target Information

Bovine platelet factor 4 (PF4) is a small chemokine protein that is rapidly secreted by activated platelets. It is known for its role in promoting blood coagulation and has a significant function in innate and adaptive immunity, especially when platelets are activated in response to infections. PF4 contributes to the recruitment of neutrophils and facilitates neutrophil exocytosis to release myeloperoxidase and lysozyme. It also stimulates antigen-presenting cells to induce lymphocyte proliferation and the cytotoxic activity of NK cells, playing a critical role in the clearance of viruses.

Protein	Bovine Platelet Factor 4 (PF4)
Protein Synonym	CXCL4; SCYB4; Chemokine C-X-C-Motif Ligand 4; Oncostatin-A; Iroplact
Gene ID	507790
UniProt ID	P02777

Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquote as needed and store at -80°C upon receipt. Reconstituted protein solution can be stored at 4°C for 1 week, at < -80°C for 12 months.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL.Aliquote the reconstituted solution to minimise freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.