

Recombinant Bovine Platelet Factor-4/CXCL4

Catalog No: #AP60385



Package Size: #AP60385-1 10ug #AP60385-2 100ug #AP60385-3 500ug

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Description

Product Name	Recombinant Bovine Platelet Factor-4/CXCL4
Host Species	Escherichia coli.
Purification	> 95 % by SDS-PAGE and HPLC analyses.
Uniprot	P02777
Calculated MW	Approximately 9.5 kDa, a single non-glycosylated polypeptide chain containing 88 amino acids.
Target Sequence	ESSFPATFVP LPADSEGGED EDLQCVCLKT TSGINPRHIS SLEVIGAGTH CPSPQLLATK KTGRKICLDQ QRPLYKKILK KLLDGDES
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, 500 mM NaCl, pH 7.0.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Background

Platelet Factor-4 (PF-4) is a small cytokine belonging to the CXC chemokine family that is also known as chemokine (C-X-C motif) ligand 4 (CXCL4). This chemokine is released from alpha-granules of activated platelets during platelet aggregation and neutralizes the anticoagulant effect of heparin. It interacts with a splice variant of the chemokine receptor CXCR3 besides be chemotactic for neutrophils, fibroblasts and monocytes. Recombinant bovine CXCL4 contains 88 amino acids. Specifically, Bovine and sheep CXCL4 share about an 85 % identity.

Note: This product is for in vitro research use only