



Product Datasheet

Product Name	Recombinant Human Platelet Factor-4 (CXCL4)
Cata No	CB501260
Source	<i>Escherichia Coli</i>
Synonyms	CXCL4, PF-4, PF4, Iroplact, Oncostatin-A, SCYB4, MGC138298.

Description

Platelet factor-4 is a 70-amino acid protein that is released from the alpha-granules of activated platelets and binds with high affinity to heparin. Its major physiologic role appears to be neutralization of heparin-like molecules on the endothelial surface of blood vessels, thereby inhibiting local antithrombin III activity and promoting coagulation. As a strong chemoattractant for neutrophils and fibroblasts, PF4 probably has a role in inflammation and wound repair. Oncostatin-A is a member of the CXC chemocin family. Human PF4 is used for the proof of heparin-induced thrombocytopenia. Furthermore it is used as an inhibitor in the angiogenesis during tumor therapy. CXCL4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 70 amino acids and having a molecular mass of 7.8 kDa.

Physical Appearance

Sterile Filtered white lyophilized powder.

Purity

Greater than 95.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Formulation

The protein was lyophilized without additives.

Stability

Human CXCL4 although stable at 25°C 1 week, should be stored desiccated below -18°C.

Please prevent freeze-thaw cycles.

Sequence

The sequence of the first four N-terminal amino acids was determined and was found to be Met -Glu - Ala - Glu -Glu.