Accelerating Scientific Discovery

Platelet Factor 4 (CXCL4) Variant 1

CATALOG NUMBER: CPF-243-005P, 5 µg

Synonyms CXCL4, PF-4, PF4, Iroplact, Oncostatin-A, SCYB4, MGC138298.

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Introduction 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 chemocinfamily. Human PF4 is used for the proof of heparin-induced . Furthermore it is used as an inhibitor in the angiogenesis during tumor therapy.

Description CXCL4 Variant-1 Human Recombinant produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 77 amino acids and having a molecular mass of 8.7 kDa.

The CXCL4 Variant-1 is fused to 6xHis tag at N-Terminus and purified by standard chromatogrpahy techniques.

Amino Acid Sequence **MHHHHHH**EAE EDGDLQCLCV KTTSQVRPRH ITSLEVIKAG PHCPTAQLIA TLKNGRKICL DLQALLYKKI IKEHLES

Source *Escherichia coli*.

Formulation The protein was lyophilized without additives.

Storage Although human CXCL4 is stable at 25°C for one week, it should be stored desiccated below -18°C. Please prevent freeze-thaw cycles.

Purity > 95% pure by SDS-PAGE.