



Product Datasheet

Product Name	Platelet Factor-4 Variant 1 Human Recombinant
Cata No	CB501255
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 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 chromatography techniques.

Physical Appearance

Sterile Filtered white lyophilized powder.

Purity

Greater than 95.0% as determined 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

MHHHHHHEAE EDGDLQCLCV KTTSQVRPRH
ITSLEVIKAG PHCPTAQLIA TLKNGRKICL
DLQALLYKKI IKEHLES