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## Product Data Sheet

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Product Name: CXCL4 Variant 1 Human  
 Cat. No.: GP21199  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	CXCL4; PF-4; PF4; Iroplact; Oncostatin-A; SCYB4; MGC138298.		
Amino Acid Sequence	MHHHHHHEAE EDGDLQCLCV KTTSQVRPRH ITSLEVIKAG PHCPTAQLIA TLKNGRKICL DLQALLYKKI IKEHLES.		
Solubility	It is recommended to reconstitute the lyophilized CXCL4 in sterile 18MΩ-cm H <sub>2</sub> O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The protein was lyophilized without additives.		

### Introduction

Platelet factor-4 is a 70-amino acid protein that is released from the alpha-granules of activated platelets. Its major physiologic role appears to be neutralization of 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 induced thrombocytopenia. Furthermore it is used as an inhibitor in the angiogenesis during tumor therapy.

### Stability

Human CXCL4 although stable at 25°C 1 week, should be stored desiccated below -18°C. Please prevent freeze-thaw cycles.

### Background

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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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

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