Catalog Number: 502165



# **General Information**

#### Gene Name Synonym

C-X-C motif chemokine 4; Iroplact; Oncostatin-A; Platelet factor 4, short form

### **Protein Construction**

A DNA sequence encoding the human CXCL4 (NP\_002610.1) (Glu 32-Ser 101) was expressed.

#### Organism

Human

### **Expression Host**

E. coli

# **QC Testing**

### Activity

1. Measured by its ability to inhibit human bFGF / FGF2 dependent proliferation of Balb/c3T3 mouse fibroblasts. The  $ED_{50}$  for this effect is typically 5-40 µg/ml.

2. Measured by its binding ability in a functional ELISA. Immobilized human CXCL4 at 20  $\mu$ g/ml (100  $\mu$ l/well) can bind biotinylated human VEGF165. The EC<sub>50</sub> of biotinylated human VEGF165 is 9.97  $\mu$ g/ml.

### Purity

> 80 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70  $^{\circ}\mathrm{C}$ 

**Predicted N terminal** Met

#### **Molecular Mass**

The recombinant human CXCL4 comprises 71 amino acids with a predicted molecular mass of 7.8 kDa as estimated in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.41. 5 % trehalose and mannitol are added as protectants before lyophilization.2. Please contact us for any concerns or special requirements.

# **Usage Guide**

### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### **SDS-PAGE**

KDa	м
116	-
66.2	-
45.0	-
35.0	-
25.0	
18.4	-
14.4	

Human CXCL4 / PF4 Protein SDS-PAGE