

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 ED₅₀ for this effect is typically 5-40 µg/ml.
2. Measured by its binding ability in a functional ELISA. Immobilized human CXCL4 at 20 µg/ml (100 µl/well) can bind biotinylated human VEGF165. The EC₅₀ of biotinylated human VEGF165 is 9.97 µg/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°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 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

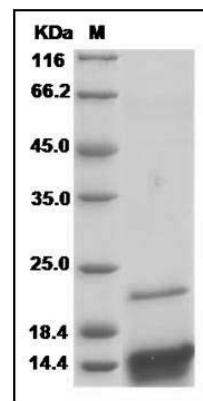
Storage

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



Human CXCL4 / PF4 Protein SDS-PAGE