Recombinant Human CXCL4/PF-4 Protein

Catalog No.: RP01774

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Sequence Information

Species
Human

Gene ID
5196

Swiss Prot
P02776

Tags
C-His

Synonyms
PF-4; CXCL4; SCYB4

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
8.61 kDa

Observed MW
10-15 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of 10 mM Sodium Citrate, 150 mM NaCl,pH5.0 .

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

CXCL4, or Platelet factor 4 (PF4), is a small cytokine belonging to the CXC chemokine family. This chemokine is released from the alpha granules of activated platelets in the form of a homotetramer which has high affinity for heparin and is involved in platelet aggregation. CXCL4 is chemotactic for neutrophils and monocytes and also functions as an inhibitor of hematopoiesis, angiogenesis and T-cell function. CXCL4/PF4 is up-regulated in human liver fibrosis and that it plays a nonredundant, functional role in experimental liver fibrosis by mediating stellate cell proliferation, migration, and intrahepatic immune cell recruitment.

Basic Information

Description
Recombinant Human CXCL4/PF-4 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu32-Ser101) of human PF-4/CXCL4/SCYB4 (Accession #NP_002610.1) fused with and a 6×His tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

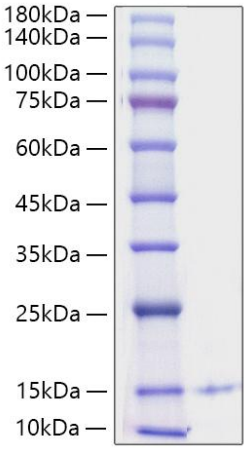
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human CXCL4/PF-4 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.