Recombinant Human CXCL6 Protein

Catalog No.: RP03246

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Sequence Information

Species
Human

Gene ID
6372

Swiss Prot
P80162

Tags
C-His

Synonyms
C-X-C Motif Chemokine 6; Chemokine Alpha 3; CKA-3; Granulocyte Chemotactic Protein 2; GCP-2; Small-Inducible Cytokine B6; CXCL6; GCP2; SCYB6

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
9.35 kDa

Observed MW
10-15 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of 20 mM PB, 150 mM NaCl, 5% Trehalose, 1 mM EDTA, pH 7.4. Contact us for customized product form or formulation.

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

Chemokine (C-X-C-Motif) Ligand 6 (CXCL6) is a small cytokine belonging to the CXC chemokine family. It is a potent neutrophil chemotactic and activating factor and it exhibits extensive similarity to other CXC chemokines such as IL-8 and ENA-78. CXCL6 can promote the release of MMP-9 from granulocytes indicating its potential role as an inflammatory mediator. It functionally uses both of the IL-8/CXCL8 receptors to chemoattract neutrophils but that is structurally most related to epithelial cell-derived neutrophil attractant-78 (ENA-78)/CXCL5. The human CXCL6 gene has been cloned and is physically mapped to the CXC chemokine locus on chromosome 4. Mature human CXCL6 is a 75 amino acid (aa) protein with a predicted molecular weight of approximately 8 kDa. Human CXCL6 shares 60% and 67% aa identity with mouse and bovine CXCL6, respectively.

Basic Information

Description
Recombinant Human CXCL6 Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Gly38-Asn114) of human CXCL6 (Accession #P80162) fused with 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℃

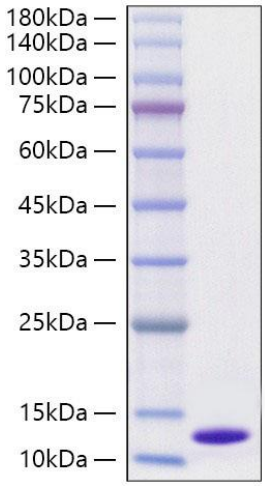
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human CXCL6 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.