

# Recombinant Human C-X-C Motif Chemokine 6/CXCL6<sup>dg</sup> (C-6His)

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by Elabscience

Catalog Number: PKSH033901

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

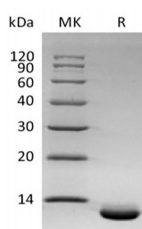
## Description

|                                    |                                                                                                                                              |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>                    | C-X-C Motif Chemokine 6; Chemokine Alpha 3; CKA-3; Granulocyte Chemotactic Protein 2; GCP-2; Small-Inducible Cytokine B6; CXCL6; GCP2; SCYB6 |
| <b>Species</b>                     | Human                                                                                                                                        |
| <b>Expression Host</b>             | HEK293 Cells                                                                                                                                 |
| <b>Sequence</b>                    | Gly38-Asn114                                                                                                                                 |
| <b>Accession</b>                   | P80162                                                                                                                                       |
| <b>Calculated Molecular Weight</b> | 9.4 kDa                                                                                                                                      |
| <b>Observed molecular weight</b>   | 13 kDa                                                                                                                                       |
| <b>Tag</b>                         | C-His                                                                                                                                        |

## Properties

|                       |                                                                                                                                                                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 95 % as determined by reducing SDS-PAGE.                                                                                                                                                                                                                    |
| <b>Endotoxin</b>      | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                                                               |
| <b>Storage</b>        | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.                         |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.                                                                                                                                                                               |
| <b>Formulation</b>    | Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 5% Trehalose, 1mM EDTA, pH 7.4.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.<br>Please refer to the specific buffer inform |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.                                                                                                                                                                                                  |

## Data



> 95 % as determined by reducing SDS-PAGE.

## 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

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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.

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