

## Recombinant Human CXCL6 (C-6His)

Catalog No.: RP0060

### Basic Information

#### Information

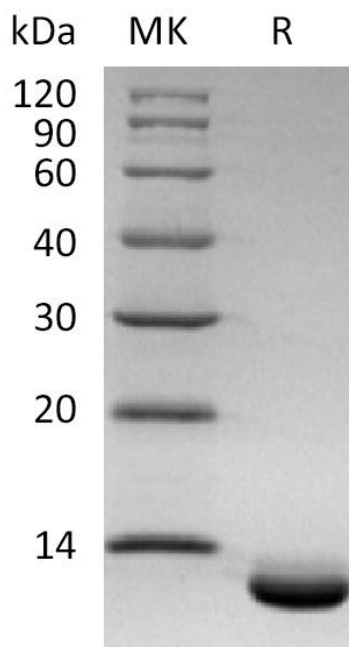
<b>Source</b>	<i>Human Cells</i>
<b>Description</b>	Recombinant Human C-X-C Motif Chemokine 6 is produced by our Mammalian expression system and the target gene encoding Gly38-Asn114 is expressed with a 6His tag at the C-terminus.
<b>Accession</b>	P80162
<b>Known As</b>	C-X-C Motif Chemokine 6; Chemokine Alpha 3; CKA-3; Granulocyte Chemotactic Protein 2; GCP-2; Small-Inducible Cytokine B6; CXCL6; GCP2; SCYB6
<b>Predicted Mol Mass</b>	9.35 KDa
<b>Apparent Mol Mass</b>	13 KDa, reducing conditions

#### Properties

<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 5% Trehalose, 1mM EDTA, pH 7.4.
<b>Storage</b>	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
<b>Endotoxin</b>	< 1 EU/µg as determined by LAL test.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.

## Experimental Data

### Purity-SDS-PAGE



Greater than 95% as determined by reducing SDS-PAGE. (QC verified)

## 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.