

# Human CXCL4 Protein

Cat. No. CXC-HM4L4

## Description

<b>Source</b>	Recombinant Human CXCL4 Protein is expressed from E.coli with His tag and Avi tag at the N-Terminus. It contains Glu32-Ser101.
<b>Accession</b>	NP_002610.1
<b>Molecular Weight</b>	The protein has a predicted MW of 10.68 kDa same as Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

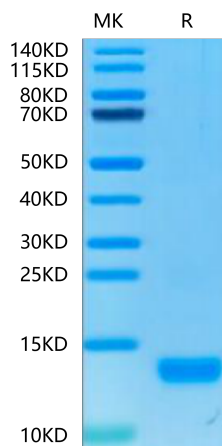
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in 4mM HCl. Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in 4mM HCl.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Chemokines regulate leukocyte migration during physiological and pathological conditions. It is currently accepted that these chemotactic cytokines are also important in the development and progression of cancer. CXCL4 and its non-allelic variant CXCL4L1 are two platelet-associated chemokines that have been attributed anti-tumoral activity as a result of their angiostatic potential and the chemotactic activity for anti-tumoral leukocytes.

## Assay Data

### Bis-Tris PAGE



Human CXCL4 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.