

# Human IL-8/CXCL8 (aa 23-99, Fc Tag) recombinant protein



Catalog Number: 503837

## General Information

### Protein Construction

A DNA sequence encoding the 77 amino acid endothelial-cell derived form of the mature human IL8 (NP\_000575.1) (Ala 23-Ser 99) was fused with the Fc region of human IgG1 at the N-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Glu 20

### Molecular Mass

The recombinant human Fc/IL8 (aa 1-77) chimera is a disulfide-linked homodimeric protein and the IL8 gene encodes the 1-77 amino acids. The reduced monomer consists of 314 amino acids and has a predicted molecular mass of 35.6 kDa. In

SDS-PAGE under reducing conditions, the apparent molecular mass of rh Fc/IL8 (aa 1-77) monomer is approximately 40 kDa due to glycosylation.

### Formulation

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

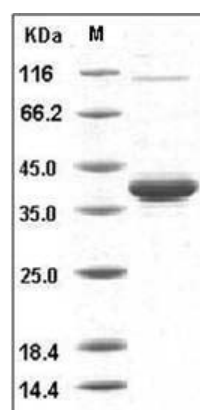
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human IL-8 / CXCL8 Protein (aa 1-77, Fc Tag)  
SDS-PAGE