

## Recombinant Mouse CXCL10 protein(His Tag)

Catalog No. PKSM041503

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

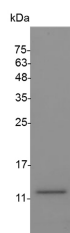
### Description

|                                    |                                                                                                                                     |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>                    | IFNB1;Type I Interferon                                                                                                             |
| <b>Species</b>                     | Mouse                                                                                                                               |
| <b>Expression Host</b>             | E.coli                                                                                                                              |
| <b>Sequence</b>                    | Ile 22-Pro 98                                                                                                                       |
| <b>Accession</b>                   | P17515                                                                                                                              |
| <b>Calculated Molecular Weight</b> | 9.5 kDa                                                                                                                             |
| <b>Observed molecular weight</b>   | 11-17 kDa                                                                                                                           |
| <b>Tag</b>                         | N-His                                                                                                                               |
| <b>Bioactivity</b>                 | Measure by its ability to chemoattract BaF3 cells transfected with human CXCR3.The ED <sub>50</sub> for this effect is < 0.2 µg/mL. |

### Properties

|                       |                                                                                                                                                                                                                                       |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 98 % as determined by reducing SDS-PAGE.                                                                                                                                                                                            |
| <b>Endotoxin</b>      | < 0.1 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 sterile PBS, 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 information in the printed manual.           |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.                                                                                                                                                                          |

### Data



> 98 % as determined by reducing SDS-PAGE.

### Background

Human C-X-C Motif Chemokine Ligand 10 (CXCL10) is a non-ELR chemokine secreted by various cell types; such as

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monocytes; endothelial cells and fibroblasts; in response to IFN- $\gamma$ . CXCL10 functions via chemokine receptor CXCR3. CXCL10 has been attributed to several roles; such as chemoattraction for activated T-lymphocytes; inhibition of angiogenesis; and antitumor activity.