

## Mouse CXCL3 Protein, His tag (Animal-Free)

Cat #: PRP1117

Size: 5 µg/20 µg/100 µg/1 mg

### Product Information

|                                                                                   |                                                                 |            |                                           |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------|------------|-------------------------------------------|
|                                                                                   | <b>Product Name:</b> Mouse CXCL3 Protein, His tag (Animal-Free) |            |                                           |
| <b>REF</b>                                                                        | <b>Catalog Number:</b> PRP1117                                  | <b>LOT</b> | <b>Lot Number:</b> Refer to product label |
|                                                                                   | <b>Purity:</b> > 98 % as determined by SDS-PAGE                 |            |                                           |
|  | <b>Storage:</b> Store at -20°C                                  |            | <b>Preparation method:</b> E.coli         |
|                                                                                   | <b>Shipping:</b> The product is shipped at ambient temperature. |            |                                           |

**Background:** C-X-C motif chemokine 3 (CXCL3) also named Growth-regulated oncogene gamma (GROγ), which is a chemokine of the intercrine alpha family. During inflammation, CXCL3 is activated by the TNF and IL-1 which mediates the monocytes migration and adhesion by targeting the CXCR2. CXCL3 activates the JNK activity which induce the cell differentiation.

**Sequence:** Amino acid sequence derived from Mouse CXCL3 (Ala28-Ser100) (Q6W5C0) was expressed with 6×His tag at the N-terminus.

**Protein length:** The recombinant Mouse CXCL3 consists of 73 amino acids and predicts a molecular mass of 8.72 kDa.

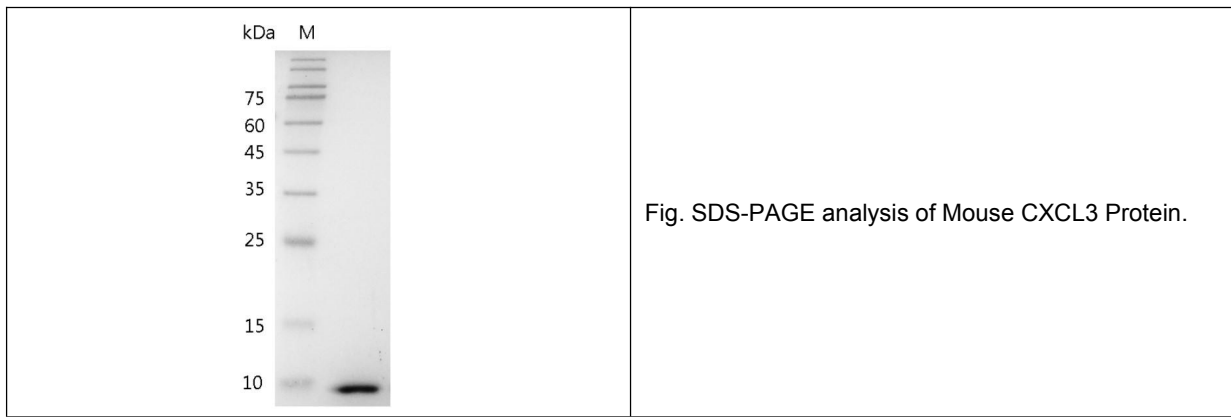
**Biological Activity:** Measured by its ability to chemoattract BaF3 cells transfected with human CXCR2. The ED<sub>50</sub> for this effect is < 80 ng/mL.

**Endotoxin:** <0.1 EU per 1 µg of the protein by the LAL method.

**Formulation:** Lyophilized from PBS, pH 7.4.

**Storage Instructions:** Lyophilized protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (5% HSA, 10%FBS or 0.1%BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant protein to a concentration of 0.1-1 mg/mL using the buffer we provided, and keep at room temperature for at least 20 min to fully dissolve. Please avoid vortex vigorously.



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