

Active Recombinant Mouse Cxcl10 Protein (Pro23-Pro98), N-His tagged, Animal-free, Carrier-free

Cat. No. Cxcl10-40M **Lot. No.** (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant Mouse Cxcl10 Protein (Pro23-Pro98) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free. |
| Species | Mouse |
| Source | E.coli |
| ProteinLength | Pro23-Pro98 |
| Description | C-X-C motif chemokine 10 (CXCL10) also named Interferon gamma-induced protein 10 (IP-10), which is a chemokine of the intercrine alpha family. CXCL10 is a 8.55 kDa protein containing 77 amino acid residues. CXCL10 is produced by the several cell types like monocytes and endothelial cells, which are responded for IFN γ . CXCL10 is a chemotaxis for T cells, NK cells and macrophages. CXCL10 also binds the CXCR3 that induces the cell migration and activation like T cells and dendritic cells. |
| Form | Lyophilized |
| Bio-activity | Measure by its ability to chemoattract BaF3 cells transfected with human CXCR3. The ED50 for this effect is < 0.2 μ g/mL. |
| Molecular Mass | The protein has a calculated MW of 9.47 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis). |

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|-----------------------|---|
| Endotoxin | < 0.1 EU/μg of the protein by the LAL method. |
| Purity | >98% as determined by SDS-PAGE analysis. |
| Storage | This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles. |
| Storage Buffer | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. |
| Reconstitution | It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved. |
| Shipping | The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage. |

GENE INFORMATION

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|------------------------|---|
| Gene Name | Cxcl10 chemokine (C-X-C motif) ligand 10 [<i>Mus musculus</i> (house mouse)] |
| Official Symbol | Cxcl10 |
| Synonyms | CXCL10; chemokine (C-X-C motif) ligand 10; C-X-C motif chemokine 10; gamma-IP10; interferon activated gene 10; small-inducible cytokine B10; interferon-gamma induced protein CRG-2; interferon-gamma-induced protein CRG-2; 10 kDa interferon gamma-induced protein; small inducible cytokine B subfamily (Cys-X-Cys), member 10; C7; IP10; CRG-2; INP10; IP-10; lfi10; mob-1; Scyb10; gIP-10; |
| Gene ID | 15945 |

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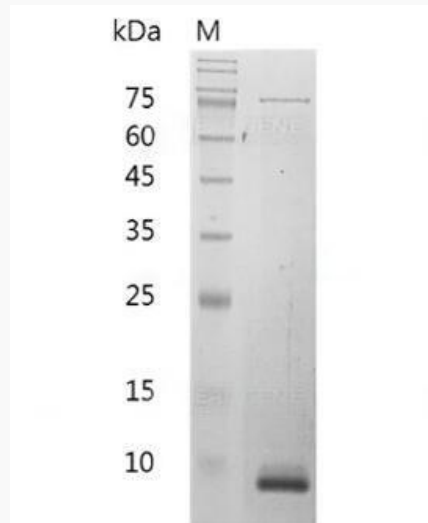
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mRNA Refseq [NM_021274](#)

Protein Refseq [NP_067249](#)

UniProt ID [P17515](#)

**SDS-PAGE analysis
of recombinant
mouse CXCL10.**



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