

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

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

SPECIFICATION

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

Gene Name	Cxcl10 chemokine (C-X-C motif) ligand 10 [Mus musculus (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; Ifi10; mob-1; Scyb10; gIP-10;
Gene ID	15945

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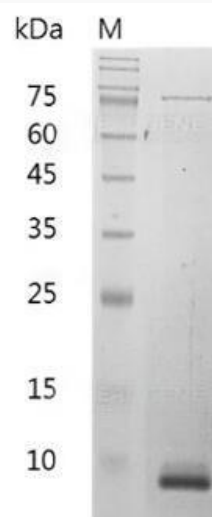
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mRNA Refseq [NM_021274](#)

Protein Refseq [NP_067249](#)

UniProt ID [P17515](#)

SDS-PAGE analysis
of recombinant
mouse CXCL10.



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