

## Active Recombinant Mouse Cxcl9 Protein (Thr22-Thr126), N-His tagged, Animal-free, Carrier-free

Cat. No. Cxcl9-69M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Cxcl9 Protein (Thr22-Thr126) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Thr22-Thr126
<b>Description</b>	C-X-C motif chemokine 9 (CXCL9) also named monokine induced by gamma interferon (MIG), which is a chemokine of the intercrine alpha family. CXCL9 is a 11.7 kDa protein containing 105 amino acid residues. CXCL9 controls the immune cells by binding the CXCR3 which is including the cell migration and activation. During inflammation, CXCL9 is a chemotaxis for lymphocyte and macrophages. CXCL9 is participated in the process of tumor proliferation and metastasis.
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	Measure by its ability to chemoattract BaF3 cells transfected with mouse CXCR3. The ED50 for this effect is < 0.3 µg/mL.
<b>Molecular Mass</b>	The protein has a calculated MW of 13.00 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).

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<b>Endotoxin</b>	< 0.1 EU/μg of the protein by the LAL method.
<b>Purity</b>	>98% as determined by SDS-PAGE analysis.
<b>Storage</b>	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.
<b>Storage Buffer</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> 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.
<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

## GENE INFORMATION

<b>Gene Name</b>	Cxcl9 chemokine (C-X-C motif) ligand 9 [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Cxcl9
<b>Synonyms</b>	CXCL9; chemokine (C-X-C motif) ligand 9; C-X-C motif chemokine 9; M119; protein m119; small-inducible cytokine B9; gamma interferon-induced monokine; gamma-interferon-induced monokine; monokine induced by gamma interferon; monokine induced by interferon-gamma; small inducible cytokine B subfamily (Cys-X-Cys), member 9; CMK; Mig; MuMIG; Scyb9; crg-10; BB139920;
<b>Gene ID</b>	17329

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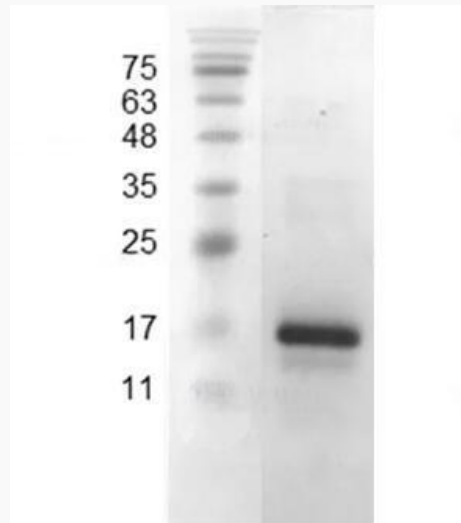
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mRNA Refseq [NM\\_008599](#)

Protein Refseq [NP\\_032625](#)

UniProt ID [P18340](#)

**SDS-PAGE analysis  
of recombinant  
mouse CXCL9.**



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