

# Active GMP Recombinant Mouse Cxcl9 Protein, His-Tagged

Cat. No. Cxcl9-01M Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	GMP Recombinant Mouse Cxcl9 Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	Predicted to enable CXCR3 chemokine receptor binding activity and chemokine activity. Acts upstream of or within several processes, including defense response to virus; positive regulation of myoblast differentiation; and positive regulation of myoblast fusion. Located in external side of plasma membrane and extracellular space. Is expressed in central nervous system; retina; stomach; testis; and thymus. Orthologous to human CXCL9 (C-X-C motif chemokine ligand 9).
<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>AA Sequence</b>	TLVIRNARCSCISTSRGTIHYKSLKDLKQFAPSPNCNKTEIIATLKNQDQTCLDPDSAN VKKLMKEWEKKINQKKKQKRGKKHQKNMKNRKP KTPQSRRRSRKTT with polyhistidine tag at the N-terminus
<b>Endotoxin</b>	<0.1 EU per 1 µg of the protein by the LAL method.

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<b>Purity</b>	>98% as determined by SDS-PAGE. Ni-NTA chromatography
<b>Notes</b>	Please use within one month after protein reconstitution.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
<b>Storage Buffer</b>	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

## 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>	CMK; Mig; MuMIG; Scyb9; crg-10
<b>Gene ID</b>	17329
<b>mRNA Refseq</b>	NM_008599.4
<b>Protein Refseq</b>	NP_032625.2
<b>UniProt ID</b>	P18340

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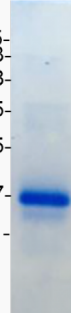
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