

Active GMP Recombinant Mouse Cxcl9 Protein, His-Tagged

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

SPECIFICATION

Product Overview	GMP Recombinant Mouse Cxcl9 Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.
Species	Mouse
Source	E.coli
Description	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).
Form	Lyophilized
Bio-activity	Measure by its ability to chemoattract BaF3 cells transfected with mouse CXCR3. The ED50 for this effect is <0.3 µg/mL.
AA Sequence	TLVIRNARCSCISTSRGTIHYKSLKDLKQFAPSPNCNKTEIIATLKNGDQTCLDPDSAN VKKLMKEWEKKINQKKKQKRGKKHQKNMKNRKP KTPQSRRRSRKTT with polyhistidine tag at the N-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.

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Purity	>98% as determined by SDS-PAGE. Ni-NTA chromatography
Notes	Please use within one month after protein reconstitution.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O 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

Gene Name	Cxcl9 chemokine (C-X-C motif) ligand 9 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Cxcl9
Synonyms	CMK; Mig; MuMIG; Scyb9; crg-10
Gene ID	17329
mRNA Refseq	NM_008599.4
Protein Refseq	NP_032625.2
UniProt ID	P18340

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