

## Recombinant Mouse MIG/CXCL9 Protein

### Product Information

Product Name	Cat#	Size
Recombinant Mouse MIG/CXCL9 Protein	90926ES08	5 µg
	90926ES60	100 µg
	90926ES76	500 µg

### Product Description

CXCL9 is a member of the CXC family and has an important role in the chemotaxis of immune cells. The mouse CXCL9 shares 75% and 88% a.a. sequence identity with human and rat CXCL9. It is a cytokine that affects the growth, movement, or activation state of cells that participate in immune and inflammatory response and chemotactic for activated T-cells.

### Product Properties

<b>Synonyms</b>	C-X-C motif chemokine 9, CXCL9, Gamma-interferon-induced Monokine, Humig, MIG, Small-inducible Cytokine B9
<b>Accession</b>	P18340
<b>GeneID</b>	17329
<b>Source</b>	E.coli-derived mouse MIG/CXCL9 protein, Thr22-Thr126 (S72N) .
<b>Molecular Weight</b>	Approximately 12.2 kDa.
<b>AA Sequence</b>	TLVIRNARCS CISTSRGTIH YKSLKDLKQF APSPNCNKTE IATLKNQDQ TCLDPDSANV KKLMKEWEKK INQKKKQKRG KKHQKNMKNR KPKTPQSRRR SRKTT
<b>Tag</b>	None
<b>Physical Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Purity</b>	>95% by SDS-PAGE and HPLC analyses.
<b>Biological Activity</b>	The biological activity determined by a chemotaxis bioassay using human lymphocytes is in a concentration range of 0.1-1.0 ng/mL. Fully biologically active when compared to standard.
<b>Endotoxin</b>	< 1.0 EU per 1µg of the protein by the LAL method.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered concentrated solution in 2 × PBS, pH 7.4.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20°C. Further dilutions should be made in appropriate buffered solutions.

### Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C for 1 year.

1 month, 2 to 8 °C under sterile conditions after reconstitution.

3 months, -20 °C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

### Cautions

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. For research use only!