

## Recombinant Human CXCL9 (MIG)

**Cat. No.** CXCL9-72H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human CXCL9/MIG was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.
<b>Species</b>	Human
<b>Source</b>	Yeast
<b>Description</b>	Chemokine (C-X-C motif) ligand 9 (CXCL9) is a small cytokine belonging to the CXC chemokine family. It is also commonly known as Monokine Induced by Gamma interferon (MIG). CXCL9 (MIG) is a T-cell chemoattractant, which is induced by IFN-gamma. It is closely related to two other CXC chemokines -CXCL10 and CXCL11. There have been 17 different C-X-C chemokines described in mammals, that are subdivided into two categories, those with a specific amino acid sequence (or motif) of glutamic acid-leucine-arginine (or ELR for short) immediately before the first cysteine of the C-X-C motif (ELR-positive), and those without an ELR motif (ELR-negative). ELR-positive C-X-C chemokines specifically induce the migration of neutrophils, and interact with chemokine receptors CXCR1 and CXCR2. C-X-C chemokines that lack the ELR motif are chemoattractant for lymphocytes. CXCL9 (MIG) elicits its effects by binding to the cell surface chemokine receptor CXCR3.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	11.7 kDa
<b>AA Sequence</b>	TPVVRKGRCS CISTNQGTH LQSLKDLKQF APSPSCEKIE IIATLKNGVQ

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TCLNPDSADV KELIKKWEKQ VSQKKKQKNG KKHQKKKVLK VRKSQRSRQK KTT  
(103)

**Applications**

The human CXCL9/MIG protein can be used in cell culture, as a CXCL9/MIG ELISA Standard, and as a Western Blot Control.

**Storage**

-20 C

## GENE INFORMATION

**Gene Name**

CXCL9 chemokine (C-X-C motif) ligand 9 [ Homo sapiens ]

**Official Symbol**

CXCL9

**Synonyms**

CXCL9; chemokine (C-X-C motif) ligand 9; CMK, MIG, monokine induced by gamma interferon; C-X-C motif chemokine 9; crg 10; Humig; SCYB9; small-inducible cytokine B9; gamma-interferon-induced monokine; monokine induced by gamma interferon; monokine induced by interferon-gamma; CMK; MIG; crg-10;

**Gene ID**

4283

**mRNA Refseq**

NM\_002416

**Protein Refseq**

NP\_002407

**MIM**

601704

**UniProt ID**

Q07325

**Chromosome  
Location**

4q21

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



**Pathway**

CXCR3-mediated signaling events, organism-specific biosystem; Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem;

**Function**

chemokine activity; cytokine activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA