

## Animal-Free MIG/CXCL9 Protein, Human (His)

<b>Cat. No.:</b>	HY-P700050AF
<b>Synonyms:</b>	MIG/CXCL9; C-X-C motif chemokine 9; SCYB9
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	Q07325 (T23-T125)
<b>Gene ID:</b>	4283
<b>Molecular Weight:</b>	Approximately 12.53 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>T P V V R K G R C S    C I S T N Q G T I H    L Q S L K D L K Q F    A P S P S C E K I E</p> <p>I I A T L K N G V Q    T C L N P D S A D V    K E L I K K W E K Q    V S Q K K K Q K N G</p> <p>K K H Q K K K V L K    V R K S Q R S R Q K    K T T</p>
<b>Biological Activity</b>	Measure by its ability to chemoattract BaF3 cells transfected with mouse CXCR3. The ED <sub>50</sub> for this effect is <0.5 µg/mL.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a solution containing 1X PBS, pH 7.4.
<b>Endotoxin Level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	MIG, also known as CXCL9 protein, emerges as a cytokine exerting influence on the growth, movement, or activation state of cells involved in immune and inflammatory responses. Specifically, it acts as a potent chemoattractant for activated T-cells, orchestrating their migration. MIG achieves its effects by binding to CXCR3, thereby contributing to the intricate regulation of immune cell behavior, particularly in the context of inflammatory reactions and immune system modulation.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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