

## Active Recombinant Human CXCL9 protein, Tag Free, Alexa Fluor 647 labeled

Cat. No. CXCL9-17H-AF647 Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Escherichia coli expressed Human CXCL9 protein was labeled with AF647 in vitro.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	23-125 aa
<b>Description</b>	<p>CXCL9 is a T-cell chemoattractant induced by IFN-<math>\gamma</math> belonging to the CXC chemokine family and it is also known as Monokine induced by gamma interferon (MIG). CXCL9 is closely related to two other CXC chemokines called CXCL10 and CXCL11 and they all elicit their chemotactic functions by interacting with the chemokine receptor CXCR3. CXCL9 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. Recombinant human CXCL9 contains 103 amino acids which is a single nonglycosylated polypeptide chain. The human CXCL9 shares 75 % and 67 % a.a. sequence identity with mouse and rat CXCL9.</p>
<b>Tag</b>	Non
<b>Conjugation/Label</b>	Alexa Fluor 647 labeled
<b>Form</b>	Solution

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<b>Bio-activity</b>	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood T-lymphocytes is in a concentration range of 10-100 ng/ml.
<b>Molecular Mass</b>	11.7 kDa
<b>AA Sequence</b>	TPVVRKGRCS CISTNQGTH LQSLKDLKQF APSPSCEKIE IIATLKNGVQ TCLNPDSADV KELIKKWEKQ VSQKKKQKNG KKHQKKKVLK VRKSQRSRQK KTT
<b>Purity</b>	>97% by SDS-PAGE and HPLC analysis
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied.
<b>Concentration</b>	2.0 mg/mL
<b>Conjugation</b>	Alexa Fluor 647

## GENE INFORMATION

<b>Gene Name</b>	CXCL9 C-X-C motif chemokine ligand 9 [ Homo sapiens (human) ]
<b>Official Symbol</b>	CXCL9
<b>Synonyms</b>	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
<b>Gene ID</b>	4283

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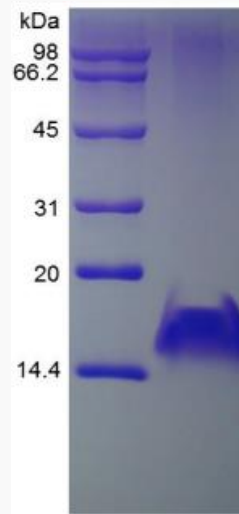
mRNA Refseq [NM\\_002416](#)

Protein Refseq [NP\\_002407](#)

MIM [601704](#)

UniProt ID [Q07325](#)

**SDS-PAGE of  
CXCL9-17H**



SDS-PAGE

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