

Growth Factor Data Sheet

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CXCL9 is a CXC chemokine lacking the ELR motif. It is expressed in and secreted by macrophages, epithelial cells, and other cell types after induction by IFN-gamma. It is chemotactic for stimulated T-cell lymphocytes and plays a role in T-cell activation, angiostasis, inhibition of neovascularization, and inhibition of hematopoietic progenitor cells. CXCL9 is most closely related to CXCL10 and CXCL11, all three of which are ligands for CXCLR3.

Catalog Number	2110-09
Product Name	CXCL9, Human Recombinant Human Chemokine (C-X-C motif) Ligand 9 (CXCL9) Monokine Induced by Gamma-Interferon (MIG) Cytokine Responsive Gene 10 (CRG10) Small Inducible Cytokine Subfamily B Member 9 (SCYB9) Humig
Source	<i>Escherichia coli</i>
MW	~11.7 kDa (103 amino acids)
Sequence	TPVVRKGRCS CISTNQGTIH LQSLKDLKQF APSPSCEKIE IIATLKNGVQ TCLNPDSADV KELIKKWEKQ VSQKKKQKNG KKHQKKKVLK VRKSQRSRQK KTT
Accession Number	Q07325
Purity	>97% by SDS-PAGE and HPLC analyses
Biological Activity	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.
Formulation	Sterile filtered white lyophilized powder. Purified and tested for use in cell culture.
Storage/Handling	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage. The reconstituted sample can be apportioned into working aliquots and stored at -80 °C for up to 6 months. Avoid repeated freeze/thaw cycles.
Reconstitution	The sample should be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a siliconized tube using PBS that contains a 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Reconstituted solutions are stable for up to one week at 2-8°C. Stock solutions should be aliquoted and stored at -80°C. Further dilutions should be made in appropriate buffered solutions containing BSA or serum.