

Growth Factor Data Sheet

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CXCL3 is an ELR type of CXC chemokine. It is secreted by monocytes and macrophages and expressed in a variety of other cells. CXCR2 is the receptor that CXCL3 binds. CXCL3 participates in chemotaxis and cell activation of neutrophils. It plays a role in wound healing, inflammation, angiogenesis, tumorigenesis, metastasis, and pathogenesis of airway remodeling in asthma. CXCL3 has an effect on the differentiation and function of monocyte-derived dendritic cells, pushing them towards a myeloid-derived suppressor cell (MDSC)-like phenotype. CXCL3 exhibits antimicrobial activity against *E. coli* and *S. aureus*.

Catalog Number	2310-03
Product Name	CXCL3, Murine Recombinant Murine Chemokine (C-X-C motif) Ligand 3 Melanoma Growth Stimulating Activity, Gamma (MGSG, MGSA-g) Macrophage Inflammatory Protein 2 (MIP2-beta) Growth Related Oncogene 3 (GRO3, GRO-gamma) Cytokine Induced Neutrophil Chemoattractant 2, Beta (CINC2-beta) Small Inducible Cytokine Subfamily B Member 3 (SCYB3) Dendritic Cell Inflammatory Protein 1 (DCIP1)
Source	<i>Escherichia coli</i>
MW	~7.9 kDa (73 amino acids)
Sequence	AVVASELRCQ CLNTLPRVDF ETIQSLTVTP PGPHTQTEV IATLKDGQEV CLNPQGPRLQ IIKKILKSG KSS
Accession Number	Q6W5C0
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 CXCR2 transfected human 293 cells 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.