

# Growth Factor Data Sheet

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Murine CXCL16 is a CXC chemokine lacking the ELR motif. It is expressed by macrophages, monocytes, B-cells, and Schwann cells. Expression is induced by IFNG and TNF- $\alpha$ . CXCL16 is an integral membrane protein that is cleaved by ADAM10 to release the soluble active polypeptide into the extracellular space. The soluble protein is chemotactic for activated CD8 T-cells, induces calcium flux and regulates migration of T-cells. CXCL16 is a ligand for CXCR6, but also serves as a receptor for oxidized LDL and phosphatidylserine.

<b>Catalog Number</b>	<b>2310-16</b>
<b>Product Name</b>	<b>CXCL16, Murine</b> Recombinant Murine Chemokine (C-X-C motif) Ligand 16 (CXCL16) Scavenger Receptor For Phosphatidylserine And Oxidized Low Density Lipoprotein (SR-PSOX, SRPSOX) Small Inducible Cytokine Subfamily B Member 16 (SCYB16)
<b>Source</b>	<i>Escherichia coli</i>
<b>MW</b>	~9.9 kDa (88 amino acids)
<b>Sequence</b>	NQGSVAGSCS CDRTISSGTQ IPQGTLDHIR KYLKAFHRCF FFIRFQLQSK SVCGGSQDQW VRELVDCEFER KECGTGHGKS FHHQKHLP
<b>Accession Number</b>	<a href="#">Q8BSU2</a>
<b>Purity</b>	>98% by SDS-PAGE and HPLC analyses
<b>Biological Activity</b>	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using murine lymphocytes is in a concentration range of 20-1000 ng/ml.
<b>Formulation</b>	Sterile filtered white lyophilized powder. Purified and tested for use in cell culture.
<b>Storage/Handling</b>	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.
<b>Reconstitution</b>	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.