

## CXCL16

### Recombinant Human CXCL16

<b>Catalog No.</b>	CRC900B CRC900C	<b>Quantity:</b>	25 µg 1.0 mg
<b>Alternate Names:</b>	C-X-C motif chemokine 16, Scavenger receptor for phosphatidylserine and oxidized low density lipoprotein, SR-PSOX, Small-inducible cytokine B16		
<b>Description:</b>	CXCL16 is a member of the CXC chemokine family and signals through the CXCR6 receptor. CXCL16 may play a role in attracting lymphocyte subsets during inflammation and may facilitate certain immune responses. The chemokine domain of CXCL16 contains six cysteine residues including the four highly conserved cysteine residues characteristic of CXC chemokines. The CXCL16 gene codes for a 273 amino acid polypeptide, which includes a 29 amino acid cytoplasmic domain and transmembrane sequence containing approximately 20 amino acids. The extracellular portion of CXCL16 contains a chemokine domain and an extended C-terminal "mucin-like stalk" sequence. The extracellular domain contains 89 amino acid residues (86 a.a. residues for the murine homolog).		
<b>UniProt ID:</b>	Q9H2A7		
<b>GenelD:</b>	58191		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	10.1 kDa (89 aa)		
<b>Formulation:</b>	Lyophilized from sterile-filtered PBS		
<b>Purity:</b>	> 98% by SDS-PAGE gel and HPLC analyses.		
<b>Endotoxin Level:</b>	< 1 EU/µg		
<b>Biological Activity:</b>	Determined by its ability to chemoattract activated lymphocytes using a concentration of 1.0 -100.0 ng/ml.		
<b>Reconstitution:</b>	Centrifuge vial prior to opening. Reconstitute in water to a concentration of 0.1–1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.		
<b>Storage &amp; Stability:</b>	The lyophilized protein is stable for up to 1 year stored at -20°C to -80°C. Reconstituted CXCL16 should be stored in working aliquots at -20°C to -80°C. <b>Avoid freeze-thaw cycles.</b>		

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