

CXCL16

Recombinant Human CXCL16

Catalog No.	CRC900B CRC900C	Quantity:	25 µg 1.0 mg
Alternate Names:	C-X-C motif chemokine 16, Scavenger receptor for phosphatidylserine and oxidized low density lipoprotein, SR-PSOX, Small-inducible cytokine B16		
Description:	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 chemokines 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).		
UniProt ID:	Q9H2A7		
Source:	<i>E. coli</i>		
Molecular Weight:	10.1 kDa (89 aa)		
Formulation:	Lyophilized from sterile-filtered PBS		
Purity:	> 98% by SDS-PAGE gel and HPLC analyses.		
Endotoxin Level:	< 1 EU/µg by LAL analysis		
Biological Activity:	Determined by its ability to chemoattract activated lymphocytes using a concentration of 1 -100 ng/ml.		
Amino Acid Sequence:	NEGSVTGSCY CGKRISDSP PSVQFMNRLR KHLRAYHRCL YYTRFQLLSW SVCGGNKDPW VQELMSCLDL KECGHAYSGI VAHQKHLLP		
Reconstitution:	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 2-8°C for 1 week or below -20°C.		
Storage & Stability:	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. Avoid freeze-thaw cycles.		

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