

# CXCL16, Human Recombinant

<b>CATALOG #:</b>	7130-10	10 µg
	7130-50	50 µg
<b>ALTERNATE NAMES:</b>	SRPSOX	
<b>SOURCE:</b>	E.coli	
<b>PURITY:</b>	≥ 95% by SDS-PAGE gel and HPLC analyses	
<b>MOL. WEIGHT:</b>	10.1 kDa	
<b>ENDOTOXIN LEVEL:</b>	< 0.1 ng/µg of protein (<1EU/µg).	
<b>FORM:</b>	Lyophilized	
<b>FORMULATION:</b>	Sterile filtered through a 0.2 micron filter. Lyophilized with no additives.	
<b>STORAGE CONDITIONS:</b>	Store at -20°C. After reconstitution, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.	

**RECONSTITUTION:**

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not raise to neutral pH. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

**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). Recombinant human CXCL16 is a 10.1 kDa protein containing 89 amino acid residues.

**BIOLOGICAL ACTIVITY:**

Determined by its ability to chemoattract human lymphocytes using a concentration range of 1.0-100.0 ng/ml.

**AMINO ACID SEQUENCE:**

NEGSVTGSCY CGKRISDSDP PSVQFMNRLR KHLRAYHRCL YYTRFQLLSW  
SVCVGGNKDPW VQELMSCLDL KECGHAYSGI VAHQKHLPP

**RELATED PRODUCTS:**

- CXCL16, mouse recombinant (**Cat. No. 4353-25, -1000**)
- CTGF, human recombinant (**Cat. No. 4702-20, -100, -1000**)
- CTGF Antibody (**Cat. No. 5553R-100**)

**FOR RESEARCH USE ONLY! Not to be used in humans.**