

CXCL16

Recombinant Human CXCL16, C-His (Active)

Catalog No.	AHJ55601A AHJ55601B	Quantity:	100 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:	Mammalian cells		
Molecular Weight:	20.5 kDa, predicted		
Protein Construction:	A DNA sequence encoding the human CXCL16 (Pro49-Tyr224) was fused with a C-terminal His tag		
Biologic Activity:	ED ₅₀ = 10-50 ng/ml, determined by the ability to chemoattract mouse pro-B cells (BaF3) transfected with mouse CXCR6		
Endotoxin:	< 0.1 EU/µg by LAL analysis		
Formulation:	Lyophilized from a solution in PBS pH 7.4, 5% Trehalose, 5% Mannitol		
Purity:	> 90% as determined by SDS-PAGE		
Applications:	Functional studies, ELISA, Western blot		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1-1.0 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.		
Storage & Stability:	Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C for up to 3 months. Avoid repeated freeze-thaw cycles.		

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