Active Recombinant Mouse Chemokine (C-X-C motif) Ligand 16, His-tagged

Cat. No. Cxcl16-484M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinanthuman Cxcl16 protein with a C-terminal 6-His tag wasexpressed in Murine myeloma cell line, NS0-derived, NS0-derived. Asn27 - Trp201.
Species	Mouse
Source	Mammalian Cells
ProteinLength	27-201 a.a.
Description	Cxcl16 is a type I membraneprotein containing a nonELR motifcontaining CXC chemokine domain in itsextracellular region. Together with Fractalkine (CX3CL1), Cxcl16 constitutethe only two transmembrane chemokines within the superfamily. Mouse Cxcl16 Cdnaencodes a 246 amino acid (aa) precursor protein with a putative 26 aa residuesignal peptide, an 88 aa residue chemokine domain, an 87 aa residue mucinlikespacer region, a 22 aa residue transmembrane domain, and a 23 aa residuecytoplasmic tail with a potential tyrosine phosphorylation and SH2proteinbinding site.
Form	Lyophilized from a0.2 μm filtered solution in PBS with BSA as a carrier protein.
N-terminalSequence	Asn27
MolecularWeight	19.9 kDa

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Activity	Measured by itsability to chemoattract mouse CXCR6 transfected BaF3 mouse proB cells.Matloubian, M. et al. (2000) Nat. Immunol. 1:298. The ED50 for this effect istypically 420 ng/mL.
Endotoxin Level	<1.0 EU per 1 μgof the protein by the LAL method.
Purity	>95%, by SDSPAGE underreducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 25μg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.
Storage	Use amanual defrost freezer and avoid repeated freezethaw cycles. 12 months from date of receipt, -20 to -70°C as supplied.3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Cxcl16 chemokine (C-X-C motif)ligand 16 [Mus musculus]
Official Symbol	Cxcl16
Synonyms	Cxcl16; chemokine(C-X-C motif) ligand 16; SR-PSOX; Zmynd15; AV290116; BB024863;CXCL16v1; CXCL16v2; 0910001K24Rik; C-X-C motif chemokine 16; SR-PSOX/CXCL16; Cxcchemokine ligand 16; small-inducible cytokine B16; transmembrane chemokineCXCL16; zinc finger, MYND-type containing 15; scavenger receptor forphosphatidylserine and oxidized low density lipoprotein
Gene ID	66102
mRNA Refseq	NM_023158

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Protein Refseq	NP_075647
UniProt ID	Q8BSU2
Chromosome Location	11; 11 B4
Pathway	Chemokine receptorsbind chemokines; Chemokine signaling pathway; Class A/1 (Rhodopsin-likereceptors); Cytokine-cytokine receptor interaction; G alpha (i) signallingevents; GPCR downstream signaling; GPCR ligand binding; Peptideligand-binding receptors; Signal Transduction; Signaling by GPCR
Function	chemokine activity;cytokine activity; low-density lipoprotein receptor activity; scavengerreceptor activity

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