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Recombinant Murine CXCL16

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 murine CXCL16 is a 9.9 kDa protein containing 88 amino acid residues.

Source:	E. coli
Molecular Weight:	9.9 kDa
Purity:	> 98% by SDS-PAGE and HPLC
Endotoxin level:	< 0.1 ng per µg of CXCL16
Stabilizer:	none
Formulation:	lyophilized

Biological Activity: Determined by its ability to chemoattract murine lymphocytes using a concentration of 20-1000 ng/ml.

Reconstitution: The murine CXCL16 should be reconstituted in water to a concentration of 0.1-1.0 mg/ml. This solution can be diluted in water or other buffer solutions or stored at -20°C.

Stability: The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C. Reconstituted murine CXCL16 should be stored in working aliquots at -20°C. **Avoid repeated freeze-thaw cycles.**

Usage: Murine CXCL16 offered for research use. Not for drug use. **Not for human use.**

Catalogue number: M10-056

Size: 25 µg

****please note: always centrifuge product before opening Vial.****