Recombinant Mouse CXCL16 / C-X-C Motif Chemokine Ligand 16, Animal Free & Carrier Free

Cat #: C-CYP304

Size: 5μg, 20μg, 100μg, 500μg, 1mg

Shipping: Blue Ice

Product Overview

CXCL16 belongs to the CXC chemokine family and conducts signaling through the CXCR6 receptor. CXCL16 may act as an attractant of lymphocyte subsets during inflammation process and may facilitate certain immune responses. Among six cysteine residues of the chemokine domain, there are four highly conserved cysteine residues characteristic of CXC chemokines. The CXCL16 gene encodes a 273 amino acid polypeptide, which contains a 29 amino acid cytoplasmic domain and a 20 amino acids transmembrane sequence.

Product Information

Source: *Escherichia Coli*.

Purity: >98% as determined by SDS-PAGE. Ni-NTA chromatography.

Biological Activity: Measure by its ability to chemoattract BaF3 cells transfected with mouse CXCR6. The ED_{50} for this effect is <3 ng/mL.

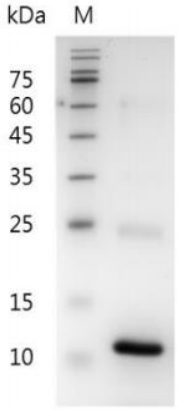
Endotoxin: <0.1 EU per 1 μg of the protein by the LAL method.

Amino acid sequence:

NQGSVAGSCSCDRTISSGTQIPQGTLDHIRKYLKAFHRCPFFIRFQLQSKSVCGGSQDQWVRELVDCFERKECGTGHGKSFHHQKHLP

with polyhistidine tag at the N-terminus.

Formulation: Lyophilized from a sterile filtered aqueous solution in 1×PBS, pH 7.4.



SDS-PAGE analysis of recombinant mouse CXCL16

Usage Method

1. Before opening, it is recommended to centrifuge at 3000-3500 rpm for 5 minutes.

2. Reconstitute to a concentration of 0.1-1.0 mg/mL in sterile distilled H_2O. Allow the solution to sit at room temperature for at least 20 minutes to ensure complete dissolution. Avoid vigorous vortexing.

3. The reconstituted solution can be stored at 2-8°C for up to 1 week.

4. For long-term storage, it is recommended to further dilute the solution with a carrier protein (such as 0.1% BSA, 10% FBS, or 5% HSA) to a concentration of no less than 10 μg/mL and aliquot for storage at -20°C to -80°C for 3 to 6 months. If serum-free experiments are required, a 5% trehalose solution can be used as a carrier instead. Avoid repeated freeze-thaw cycles.

Storage

Physical Appearance	Storage	Stability
Lyophilized powder	-20°C to -80°C	1 year
Reconstitution (initial)	2°C to 8°C	Less than 1 week
Reconstitution (after dilution)	-20°C to -80°C	3 to 6 months

Note

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.