

CXCL16 (C-X-C motif chemokine 16), Mouse

v. 231101

Catalog number	C02083-5UG / C02083-20UG / C02083-100UG
Package	5 µg / 20 µg / 100 µg
Description	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.
Source	<i>Escherichia coli</i>
Sequence	NQGSVAGSCSCDRTISSGTQIPQGTLDHIRKYLKAFHRCPPFFIRFQLQSKSVCG GSQDQWVRELVDCFERKECGTGHGKSFHHQKHLP with polyhistidine tag at the N-terminus
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to chemoattract BaF3 cells transfected with mouse CXCR6. The ED ₅₀ for this effect is <3 ng/mL.
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Stability & Storage	This product is stable after storage at: <ul style="list-style-type: none"> -20°C for 12 months in lyophilized state from date of receipt. -20°C or -80°C for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant mouse CXCL16

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