

Product datasheet

Recombinant mouse CXCL16 protein (Active) ab202780

Description

Product name	Recombinant mouse CXCL16 protein (Active)	
Biological activity	Determined by its ability to chemoattract murine lymphocytes using a concentration of 20-1000 ng/ml.	
Purity	> 98 % SDS-PAGE. and HPLC analyses.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	Escherichia coli	
Accession	Q8BSU2	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Mouse	
Sequence	NQGSVAGSCS CDRTISSGTQ IPQGTLDIR KYLKAFHRCP FFIRFQLQSK SVCGGSQDQW VRELVDCEFER KECGTGHGKS FHHQKHP	
Predicted molecular weight	28 kDa	
Amino acids	27 to 114	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab202780** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies HPLC SDS-PAGE
Form	Lyophilised

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon reconstitution add a carrier protein (0.1% BSA). Store at -20°C long term. Avoid freeze / thaw cycle.
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Constituent: 99% PBS

This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions.

General Info

Function

Acts as a scavenger receptor on macrophages, which specifically binds to OxLDL (oxidized low density lipoprotein), suggesting that it may be involved in pathophysiology such as atherogenesis (By similarity). Induces a strong chemotactic response. Induces calcium mobilization. Binds to CXCR6/Bonzo.

Tissue specificity

Expressed in T-cell areas. Expressed in spleen, lymph nodes, lung, kidney, small intestine and thymus. Weak expression in heart and liver and no expression in brain and bone marrow.

Sequence similarities

Belongs to the intercrine alpha (chemokine CxC) family.

Post-translational modifications

Glycosylated.

Cellular localization

Cell membrane. Secreted. Also exists as a soluble form.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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