

# Recombinant human CXCL16 protein ab50175

## 1 References

### Description

<b>Product name</b>	Recombinant human CXCL16 protein
<b>Biological activity</b>	Biological Activity : Determined by it's ability to chemoattract activated lymphocytes using a concentration of 1.0-100.0 ng/ml.
<b>Purity</b>	> 98 % SDS-PAGE. Endotoxin level is less than 0.1 ng per g (1EU/g).
<b>Expression system</b>	Escherichia coli
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	NEGSVTGSCY CGKRISDSP PSVQFMNRLR KHLRAYHRCL YYTRFQLLSW SVCGGNKDPW VQELMSCLDL KECGHAYSGI VAHQKHLLP
<b>Amino acids</b>	49 to 137

### Specifications

Our **Abpromise guarantee** covers the use of **ab50175** in the following tested applications.

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

<b>Applications</b>	SDS-PAGE Functional Studies
<b>Form</b>	Lyophilized

### Preparation and Storage

<b>Stability and Storage</b>	Shipped at 4°C. The lyophilized protein is stable for a few weeks at room temperature. Store at -20°C long term.  This product is an active protein and may elicit a biological response in vivo, handle with caution.
<b>Reconstitution</b>	Reconstitute to 1mg/ml in sterile water.

## General Info

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<b>Function</b>	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.
<b>Tissue specificity</b>	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.
<b>Sequence similarities</b>	Belongs to the intercrine alpha (chemokine CxC) family.
<b>Post-translational modifications</b>	Glycosylated.
<b>Cellular localization</b>	Cell membrane. Secreted. Also exists as a soluble form.

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

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