

## Product datasheet

# Recombinant mouse CXCL5 protein (Active) ab243271

1 Image

### Description

|  |   |  |
|--|---|--|
| <b>Product name</b>                    | Recombinant mouse CXCL5 protein (Active)  |  |
| <b>Biological activity</b>             | Fully biologically active when compared to standard. The biological activity determined by a chemoattract bioassay using human neutrophils is in a concentration range of 10-100 ng/ml. |  |
| <b>Endotoxin level</b>                 | < 1.000 Eu/µg   |  |
| <b>Expression system</b>               | Escherichia coli  |  |
| <b>Accession</b>                       | <a href="#">P50228</a>  |  |
| <b>Protein length</b>                  | Protein fragment  |  |
| <b>Animal free</b>                     | No  |  |
| <b>Nature</b>                          | Recombinant   |  |
| <b>Species</b>                         | Mouse   |  |
| <b>Sequence</b>                        | TELRCVCLTVTPKINPKLIANLEVIPAGPQCPTVEVIKLN<br>QKEVCLDP EAPVIKKIIQKILGSDKKKA   |  |
| <b>Predicted molecular weight</b>      | 8 kDa   |  |
| <b>Amino acids</b>                     | 49 to 118   |  |
| <b>Additional sequence information</b> | Corresponds to GCP-2(9-78) chain.   |  |

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab243271** 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>     | Functional Studies<br>HPLC<br>SDS-PAGE  |
| <b>Form</b>             | Lyophilized   |
| <b>Additional notes</b> | Mouse CXCL5 is the equivalent of human CXCL6 based on genetic and biological evidence as pointed out by Nomiyama et al. (PMID: 20434943). |

### Preparation and Storage

**Stability and Storage** Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Constituent: PBS

0.2 µm filtered

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 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at -20degC. Further dilutions should be made in appropriate buffered solutions.

## General Info

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### Function

May participate in the recruitment of inflammatory cells by injured or infected tissue. GCP-2(1-78) and, more potent, GCP-2(9-78) attract neutrophils and are involved in neutrophil activation.

### Sequence similarities

Belongs to the intercrine alpha (chemokine CxC) family.

### Post-translational modifications

GCP-2(1-78) and GCP-2(9-78) are produced by proteolytic cleavage after secretion from fibroblasts and epithelial cells. GCP-2(9-78) is the most prominent form. A number of additional N-terminal (processed between pos. 41 and 48) and C-terminal (processed between pos. 118 and 132) processed forms have been identified, probably also representing intermediate states.

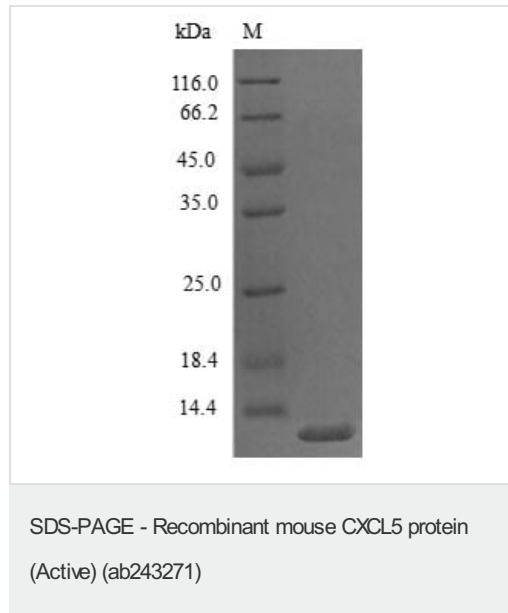
### Cellular localization

Secreted.

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## Images

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SDS Page analysis of CXCL5 with ab243271.

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

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