

### Recombinant rat CXCL2 protein ab201362

#### Description

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| <b>Product name</b>                    | Recombinant rat CXCL2 protein  |
| <b>Biological activity</b>             | Fully biologically active when compared to standard.<br><br>The biological activity determined by a chemotaxis bioassay using Rat neutrophils is in a concentration range of 10-100 ng/mL. |
| <b>Purity</b>                          | > 98 % SDS-PAGE.<br>> 98 % by HPLC analysis.   |
| <b>Expression system</b>               | Escherichia coli   |
| <b>Accession</b>                       | <b><u>P30348</u></b>   |
| <b>Protein length</b>                  | Full length protein  |
| <b>Animal free</b>                     | No   |
| <b>Nature</b>                          | Recombinant  |
| <b>Species</b>                         | Rat  |
| <b>Sequence</b>                        | VVVASELRCQCLTTLPRVDFKNIQSLTVTPPGPHCAQTEVI<br>ATLKDGEHV CLNPEAPLVQRIVQKILNKGKAN   |
| <b>Predicted molecular weight</b>      | 8 kDa  |
| <b>Amino acids</b>                     | 28 to 100  |
| <b>Additional sequence information</b> | Single, non-glycosylated polypeptide chain containing 73 amino acids.  |

#### Specifications

Our **Abpromise guarantee** covers the use of **ab201362** in the following tested applications.

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

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

#### Preparation and Storage

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| <b>Stability and Storage</b> | Shipped at 4°C. Store at -20°C long term. Avoid freeze / thaw cycle.<br><br>pH: 7.40 |
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Constituent: 100% PBS

Lyophilized from a 0.2 µM filtered solution.

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

## Reconstitution

Briefly centrifuge the vial 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 <-20°C. Further dilutions should be made in appropriate buffered solutions.

## General Info

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### Function

Produced by activated monocytes and neutrophils and expressed at sites of inflammation. Hematopoietic chemokine, which, in vitro, suppresses hematopoietic progenitor cell proliferation. GRO-beta(5-73) shows a highly enhanced hematopoietic activity.

### Sequence similarities

Belongs to the intercrine alpha (chemokine CxC) family.

### Post-translational modifications

The N-terminal processed form GRO-beta(5-73) is produced by proteolytic cleavage after secretion from bone marrow stromal cells.

### Cellular localization

Secreted.

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

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