

### Recombinant rat CX3CL1 protein ab201406

#### Description

<b>Product name</b>	Recombinant rat CX3CL1 protein
<b>Biological activity</b>	Fully biologically active when compared to standard.  The biological activity determined by a chemotaxis bioassay using Human monocytes is in a concentration of 5.0-10 ng/ml.
<b>Purity</b>	> 95 % SDS-PAGE. >95% by HPLC analysis.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>O55145</u></b>
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Rat
<b>Sequence</b>	QHLGMTKCNITCHKMTSPIPVTLIIHYQLNQESCGKRAIILET RQHRHFC ADPKEKWVQDAMKHLDHQTAAALTRNG
<b>Predicted molecular weight</b>	9 kDa
<b>Amino acids</b>	25 to 100
<b>Additional sequence information</b>	Single non-glycosylated polypeptide chain.

#### Specifications

Our **Abpromise guarantee** covers the use of **ab201406** 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  HPLC  SDS-PAGE
<b>Form</b>	Lyophilized

#### Preparation and Storage

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

Lyophilised from a 0.2µm 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 to -70°C. Further dilutions should be made in appropriate buffered solutions.

## General Info

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### Function

The soluble form is chemotactic for T-cells and monocytes, but not for neutrophils. The membrane-bound form promotes adhesion of those leukocytes to endothelial cells. May play a role in regulating leukocyte adhesion and migration processes at the endothelium. Binds to CX3CR1.

### Tissue specificity

Small intestine, colon, testis, prostate, heart, brain, lung, skeletal muscle, kidney and pancreas.

### Sequence similarities

Belongs to the intercrine delta family.

### Post-translational modifications

A soluble short 95 kDa form may be released by proteolytic cleavage from the long membrane-anchored form.

O-glycosylated with core 1 or possibly core 8 glycans.

### Cellular localization

Secreted and Cell membrane.

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

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