

Product datasheet

Recombinant rat CX3CL1 protein ab201406

Description

Product name	Recombinant rat CX3CL1 protein	
Biological activity	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.	
Purity	> 95 % SDS-PAGE. >95% by HPLC analysis.	
Expression system	Escherichia coli	
Accession	O55145	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Rat	
Sequence	QHLGMTKCNITCHKMTSPIPVTLIIHYQLNQESCGKRAIILET RQHRHFC ADPKEKWWQDAMKHLDHQTAALTRNG	
Predicted molecular weight	9 kDa	
Amino acids	25 to 100	
Additional sequence information	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.

Applications	Functional Studies HPLC SDS-PAGE
Form	Lyophilized

Preparation and Storage

Stability and Storage	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

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.

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

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