

Recombinant mouse CCL21 protein ab201361

1 References

Description

Product name	Recombinant mouse CCL21 protein
Biological activity	Fully biologically active when compared to standard. Determined by its ability to chemoattract total murine T cell population using a concentration range of 10.0 -100.0 ng/ml.
Purity	> 97 % SDS-PAGE. > 97 % by HPLC analysis.
Endotoxin level	< 1.000 Eu/μg
Expression system	Escherichia coli
Accession	<u>P86792</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Mouse
Sequence	SDGGGQDCCLKYSQKKIPYSIVRGYRKQEPSLGCPAILF LPRKHSKPE LCANPEEGWVQNLMRRLDQPPAPGKQSPGCRKNRGTS KSGKKGKGSKGCK RTEQTQPSRG
Predicted molecular weight	12 kDa
Amino acids	24 to 133
Additional sequence information	Single, non-glycosylated polypeptide chain containing 110 amino acids. This product is the mature full length protein from aa 24 to 133. The signal peptide is not included.

Specifications

Our **Abpromise guarantee** covers the use of **ab201361** 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

Constituents: 0.87% Sodium chloride, 99% Phosphate Buffer

Lyophilized 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. Further dilutions should be made in appropriate buffered solutions.

General Info

Function

Inhibits hemopoiesis and stimulates chemotaxis. Chemotactic in vitro for thymocytes and activated T-cells, but not for B-cells, macrophages, or neutrophils. Shows preferential activity towards naive T-cells. May play a role in mediating homing of lymphocytes to secondary lymphoid organs.

Tissue specificity

Highly expressed in high endothelial venules of lymph nodes, spleen and appendix. Intermediate levels found in small intestine, thyroid gland and trachea. Low level expression in thymus, bone marrow, liver, and pancreas. Also found in tonsil, fetal heart and fetal spleen.

Sequence similarities

Belongs to the intercrine beta (chemokine CC) family.

Cellular localization

Secreted.

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

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