Datasheet for ABIN1692325

Ccl21a Protein (AA 24-133)

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Overview

Quantity:	50 µg
Target:	Ccl21a (CCL21A)
Protein Characteristics:	AA 24-133
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Mouse C-C Motif Chemokine 21a/CCL21a//6Ckine
Sequence:	SDGGGQDCCL KYSQKKIPYS IVRGYRKQEP SLGCPIPAIL FSPRKHSKPE LCANPEEGWV QNLMRRLDQP PAPGKQSPGC RKNRGTSKSG KKGKGSKGCK RTEQTQPSRG
Characteristics:	Recombinant Mouse C-C Motif Chemokine 21a/CCL21a//6Ckine
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Ccl21a (CCL21A)
Alternative Name:	C-C Motif Chemokine 21a/CCL21a (CCL21A Products)
Background:	Recombinant Mouse C-C Motif Chemokine 21a/CCL21a is produced with our E. coli expression

Target Details

	system. The target protein is expressed with sequence (Ser24-Gly133) of Mouse CCL21a. C-C Motif Chemokine 21a (CCL21a) is a small secreted cytokine that belongs to the intercrine β (CC chemokine) family. Mouse CCL21 cDNA encodes a 133 AA residue protein with a 23 residue signal peptide that is cleaved to generate the 110 residue mature protein. Mouse CCL21 has three forms while CCL21a has Ser-65. CCL21 elicits its effects by binding to a cell surface chemokine receptor known as CCR7 and CXCR3. Mouse CCL21 inhibits hemopoiesis and stimulates chemotaxis. It has chemotactic function in vitro for thymocytes and activated T-cells, but not for B-cells, macrophages, or neutrophils. Mouse CCL21 shows preferential activity towards naive T-cells and may play a role in mediating homing of lymphocytes to secondary lymphoid organs.
Molecular Weight:	12 kDa
UniProt:	P84444

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.