Active Recombinant Mouse Ccl21a Protein (110 aa)

Cat. No. Ccl21a-045C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ccl21a Protein without tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	110
Description	Exodus-2/CCL21 is a novel CC chemokine discovered independently by three groups from the EST database, and shows 21-33% identity to other CC chemokines. Exodus-2 contains the four conserved cysteines characteristic of β chemokines plus two additional cysteines in its unusually long carboxylterminal domain. It is expressed in lymph nodes of certain endothelial cells, and in the spleen and appendix. Exodus-2 chemoattracts T and B lymphocytes and inhibits hematopoiesis.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-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, corresponding to a Specific Activity of 1 × 10^4 IU/mg.
Molecular Mass	12.0 kDa, a single, non-glycosylated polypeptide chain containing 110 amino acids.
AA Sequence	SDGGGQDCCLKYSQKKIPYSIVRGYRKQEPSLGCPIPAILFLPRKHSKPELCANPEE GWVQNLMRRLDQPPAPGKQSPGCRKNRGTSKSGKKGKGSKGCKRTEQTQPSRG

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Endotoxin	Less than 1 EU/μg of rMuExodus-2/CCL21 as determined by LAL method.
Purity	>97% by SDS-PAGE and HPLC analyses.
Storage	This lyophilized preparation is stable for several weeks at 2-8 centigrade, but should be kept at -20 centigrade for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 centigrade. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 to -70 centigrade. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered concentrated solution in 20mM PB, pH 7.4, 150mM NaCl.
Reconstitution	We recommend that this vial be briefly centrifuged 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 < -20C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	Ccl21a chemokine (C-C motif) ligand 21A (serine) [Mus musculus (house mouse)]
Official Symbol	Ccl21a
Synonyms	Ccl21a; chemokine (C-C motif) ligand 21A (serine); ALP; SLC; plt; CKb9; Tca4; 6Ckine; Gm1987; Scya21; 6CKBAC2; SCYA21a; Scya21b; C-C motif chemokine 21a; CC chemokine 6Ckine-ser; CCL21-Ser; beta-chemokine exodus-2; exodus-2; small inducible cytokine A21a; thymus-derived chemotactic agent 4
Gene ID	18829

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mRNA Refseq	NM_011124
Protein Refseq	NP_035254
UniProt ID	P84444

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