

Active Recombinant Mouse Chemokine (C-C motif) Ligand 21A (serine)

Cat. No. Ccl21a-412M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Ccl21a protein was expressed in E. coli. Ser24-Gly133.
Species	Mouse
Source	E.coli
Protein Length	24-133 a.a.
Description	Mouse Ccl21a cDNA encodes a 133 amino acid residue protein with a 23 residue signal peptide that is cleaved to generate the 110 residue mature protein. Human and mouse Ccl21a are highly conserved, exhibiting 86% amino acid sequence identity. Ccl21a is constitutively expressed at high levels in lymphoid tissues such as lymph nodes, spleen and appendix.
Form	Lyophilized from a 0.2 µm filtered solution in Acetonitrile and TFA with BSA as a carrier protein.
N-terminal Sequence	Ser24
Molecular Weight	12 kDa
Activity	Measured by its ability to chemoattract 5-10 day cultured human peripheral blood lymphocytes (PBL). The ED50 for this effect is typically 50-200 ng/mL. Measured by its ability to chemoattract human CCR7 transfected BaF3 mouse pro-B cells. The ED50

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for this effect is typically 3-15 ng/mL.

Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 10 µg/mL in sterile PBS that containing at least 0.1% human or bovine serum albumin.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Ccl21a chemokine (C-C motif) ligand 21A (serine) [<i>Mus musculus</i>]
Official Symbol	Ccl21a
Synonyms	Ccl21a; chemokine (C-C motif) ligand 21A (serine); ALP; SLC; plt; CKb9; Tca4; 6Ckine; Scya21; 6CKBAC2; SCYA21a; Scya21b; AW987545; OTTMUSP00000006949; Exodus-2; C-C motif chemokine 21a; CCL21-Ser; CC chemokine 6Ckine-ser; beta chemokine exodus-2; beta-chemokine exodus-2; small inducible cytokine A21a; small-inducible cytokine A21a; thymus-derived chemotactic agent 4; TCA4
Gene ID	18829
mRNA Refseq	NM_011124

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Protein Refseq	NP_035254
UniProt ID	P844444
Chromosome Location	4
Pathway	Chemokine receptors bind chemokines; Chemokine signaling pathway; Class A/1 (Rhodopsin-like receptors); Cytokine-cytokine receptor interaction; G alpha (i) signalling events; GPCR downstream signaling; GPCR ligand binding; Peptide ligand-binding receptors; Signal Transduction; Signaling by GPCR

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