

## Recombinant Mouse Chemokine (C-C motif) Ligand 21C (Leucine)

**Cat. No.** Ccl21c-120M    **Lot. No.** (See product label)

### SPECIFICATION

|                            |                                                                                                                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | Recombinant murine Exodus-2 produced in <i>E.coli</i> is a 12.0 kDa protein containing 110 amino acid residues.                                                                                                                                |
| <b>Species</b>             | Mouse                                                                                                                                                                                                                                          |
| <b>Source</b>              | E.coli                                                                                                                                                                                                                                         |
| <b>Description</b>         | Murine Exodus-2 is a member of the CC chemokine family and is expressed in lymph nodes, in the spleen and appendix. Murine Exodus-2 has been shown to inhibit hemopoiesis and to stimulate chemotaxis of T- and B-Lymphocytes.                 |
| <b>Purity</b>              | Greater than 98% (determined by SDS-PAGE and HPLC analysis).                                                                                                                                                                                   |
| <b>Endotoxin Level</b>     | < 0.1 ng per µg rMu Exodus-2 (1EU/µg).                                                                                                                                                                                                         |
| <b>Biological Activity</b> | The biological activity of Murine Exodus-2 was determined by a chemotaxis assay using murine T-cells. Significant chemotaxis was achieved at a concentration of 10.0-100 ng/ml.                                                                |
| <b>Formulation</b>         | Lyophilized protein with no additives.                                                                                                                                                                                                         |
| <b>Reconstitution</b>      | Please Note: Always centrifuge product briefly before opening the vial. The lyophilized protein should be reconstituted in sterile, ultra-pure water to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous |

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buffers and stored at -20°C for future use.

#### Storage & Stability

The lyophilized powder, though stable at room temperature for up to 3 weeks, is best stored desiccated at -20°C. Reconstituted CTACK should be used immediately or stored in undiluted working aliquots at -20°C. Avoid repeated freeze / thaw cycles.

## GENE INFORMATION

|                     |                                                                                                                                  |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Gene Name           | <a href="#">Ccl21c chemokine (C-C motif) ligand 21C (leucine) [ Mus musculus ]</a>                                               |
| Synonyms            | chemokine (C-C motif) ligand 21C (leucine); SLC; CKb9; TCA4; Scya21c; exodus-2; Ccl21c; Ccl21-leu; small inducible cytokine A21c |
| Gene ID             | <a href="#">65956</a>                                                                                                            |
| mRNA Refseq         | <a href="#">NM_023052</a>                                                                                                        |
| Protein Refseq      | <a href="#">NP_075539</a>                                                                                                        |
| UniProt ID          | <a href="#">P84443</a>                                                                                                           |
| Chromosome Location | 4 13.34 cM                                                                                                                       |
| Pathway             | Chemokine signaling pathway; Cytokine-cytokine receptor interaction                                                              |
| Function            | chemokine activity; cytokine activity; molecular_function                                                                        |

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