

Recombinant Murine Exodus-2/CCL21

#R00436

Size: 5 µg/100 µg/500 µg

Stability & 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.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

Background

CCL21 is encoded by CCL21 gene that is located in Chr. 4 and shows 21-33 % identity to other CC chemokines. This chemokine contains the four conserved cysteines characteristic of β chemokines plus two additional cysteines in its unusually long carboxylterminal domain. Human and mouse CCL21 are highly conserved, exhibiting 86 % amino acid sequence identity. CCL21 is highly expressed in lymph nodes of certain endothelial cells, and in the spleen and appendix. It elicits effects by binding with CCR7, having functions of T and B lymphocytes chemotaxis and inhibiting hematopoiesis.

AA Sequence

SDGGGQDCCLKYSQKKIPYSIVRGYRKQEPSLGCP
AILFLPRKHSKPELCANPEEGWVQNLMRRLDQPPAP
GKQSPGCRKNRGTSKSGKKGKSGKCKRTEQTQPS
RG

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 ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Product Specification

Synonyms	6Ckine, Beta-chemokine Exodus-2, SLC
Accession	P86792
GeneID	65956
Species	Murine
Source	Escherichia coli.
Molecular Weight	Approximately 12.1 kDa, a single, non-glycosylated polypeptide chain containing 110 amino acids.
Purity	> 97 % by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using murine T-lymphocytes is in a concentration range of 10-100

	ng/ml.
Physical	Sterile Filtered White lyophilized
Appearance	(freeze-dried) powder.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl.
Endotoxin	Less than 1 EU/µg of rMuExodus-2/CCL21 as determined by LAL method.