

Overview

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| Synonyms | Exodus-2/CCL21, Human; |
| 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. |
| Species | Human |
| Source | <i>E. coli</i> |
| Biological Activity | Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human lymphocytes is in a concentration range of 10-100 ng/ml. |
| Sequence | SDGGAQDCCL KYSQRKIPAK VVRSYRKQEP SLGCSIPAIL FLPRKRSQAE LCADPKELWV QQLMQHLDKT PSPQKPAQGC RKDRGASKTG KKGKGSKGCK RTERSQTPKG P |

Properties

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| Measured Molecular Weight | Approximately 12.2 kDa, a single, non-glycosylated polypeptide chain containing 111 amino acids. |
| Purity | > 97 % by SDS-PAGE and HPLC analyses. |
| Formulation | Lyophilized from a 0.2 μ m filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM 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 d -20 °C. Further dilutions should be made in appropriate buffered solutions. |
| Endotoxin Level | Less than 1 EU/ μ g of rHuExodus-2/CCL21 as determined by LAL method. |
| Physical Appearance | Sterile Filtered White lyophilized (freeze-dried) powder. |
| Usage | 'This material is for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.' |
| Storage | This lyophilized preparation is stable at 2-8 °C, but should be kept at -20 °C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 °C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 °C to -70 °C. Avoid repeated freeze/thaw cycles. |

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