



Product Data Sheet

Cat # RP-1034

Recombinant Human Exodus-2 (CCL21)

Size: 5 ug

Chemokine (C-C motif) ligand 21 (CCL21) is a small cytokine belonging to the CC chemokine family. This chemokine is also known as 6Ckine (because it has six conserved cysteine residues instead of the four cysteines typical to chemokines), exodus-2, and secondary lymphoid-tissue chemokine (SLC). CCL21 is expressed predominantly in the lymph nodes and, in contrast to other CC chemokines, is chemotactic for lymphocytes. The gene for CCL21 is located on human chromosome 9. CCL21 elicits its effects by binding to a cell surface chemokine receptor known as CCR7.

Usage:

This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals

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Source: *Escherichia Coli*. Exodus-2 Human Recombinant produced in E.Coli as a single, non-glycosylated, polypeptide chain containing 111 amino acids and having a molecular mass of 12219 Dalton. The CCL21 is purified by proprietary chromatographic techniques. The CCL21 was lyophilized from a concentrated (1mg/ml) solution in water containing no additives.

Application and Suggested Dilutions: Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. It is recommended to reconstitute the lyophilized Exodus2 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. Users must optimize the appropriate concentration and conditions for each assay.

Storage and Stability: Lyophilized Exodus-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL21 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). If supplied in powder then reconstitute it in 100 ul water for 1mg/ml stock and store in liquid at 4oC for ~1 week or aliquots in suitable size and store at -20oC for long term storage. **Please prevent freeze-thaw cycles**

Biological Activity: The Activity is calculated by the ability to chemoattract lymphocytes using a concentration of 10-100 ng/ml