
Product Data Sheet

Product Name: Exodus 2 Human
 Cat. No.: GP21098
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Small inducible cytokine A21; CCL21; Beta chemokine exodus-2; 6Ckine; Secondary lymphoid-tissue chemokine; SLC; chemokine (C-C motif) ligand 21; ECL; CKb9; TCA4; SCYA21; MGC34555.		
Amino Acid Sequence	SDGGAQDCCL KYSQRKIPAK VVRSYRKQEP SLGCSIPAIL FLPRKRSQAE LCADPKELWV QQLMQHLDKT PSPQKPAQGC RKDRGASKTG KKGKGSKGCR KTERSQTPKG P.		
Solubility	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.		
Formulation	Lyophilized from a 0.2µm filtered concentrated solution in 20mM Phosphate Buffer, pH 7.4 and 150mM NaCl.		

Introduction

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.

Biological Activity

Determined by its ability to chemoattract human total lymphocyte population using a concentration range of 10-100ng/ml.

Caution: Product has not been fully validated for medical applications. For research use only.

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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). Please prevent freeze-thaw cycles.

Background

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.

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