9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Exodus 2 Human

Exodus-2 Human Recombinant (CCL21)
CHK0039

Product Overview

Name	Exodus 2 Human
Description	
Exodus-2 Human Recombinant (CCL21)	
Accession (Primary)	O00585
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.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from a 0.2 μm filtered concentrated solution in 20mM Phosphate Buffer, pH 7.4 and 150mM NaCl.	
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.	
Purity	
Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
SDGGAQDCCL KYSQRKIPAK VVRSYRKQEP SLGCSIPAIL FLPRKRSQAE LCADPKELWV QQLMQHLDKT PSPQKPAQGC RKDRGASKTG KKGKGSKGCR KTERSQTPKG P.	

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Biological Activity

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

Solubility

It is recommended to reconstitute the lyophilized Exodus2 in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

Exodus 2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O00585)