

## Recombinant Human Exodus-2 (rh Exodus-2 / CCL21)

**Synonyms:** Small inducible cytokine A21, SCYA21, Beta chemokine exodus-2, Secondary lymphoid-tissue chemokine, SLC, ECL, CKb9, TCA4

**Introduction:** Exodus-2 is a small cytokine belonging to the CC chemokine family. Exodus-2 also known as 6Ckine (because it has six conserved cysteine residues instead of the four cysteines typical to chemokines), is expressed predominantly in the lymph nodes and, in contrast to other CC chemokines and is chemotactic for lymphocytes. The gene for Exodus-2 is located on human chromosome 9. Exodus-2 elicits its effects by binding to a cell surface chemokine receptor known as CCR7.

**Description:** Recombinant human Exodus-2 is produced in E.Coli as a single, non-glycosylated polypeptide chain containing 111 amino acids and having a molecular mass of 12219 Dalton. The rh Exodus-2 is purified by proprietary chromatographic techniques.

**Source:** *Escherichia Coli*

**Physical Appearance:** Sterile filtered white lyophilized (freeze-dried) powder.

**Formulation:** Lyophilized from a 0.2µm filtered solution in 20mM Phosphate Buffer, pH 7.4 and 150mM NaCl. The samples of 1µg contain Trehalose 5% (w/vol) for better recovery

**Solubility:** It is recommended to reconstitute the lyophilized rh Exodus-2 in sterile H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:** Lyophilized rh Exodus-2 although stable at room temperature for 3 weeks, should be stored desiccated 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 95.0% as determined by SDS-PAGE.

**Amino acid Sequence:** SDGGAQDCCL KYSQRKIPAK VVRSYRKQEP SLGCSIPAIL FLPRKRSQAE LCADPKELWV QQLMQHLDKT PSPQKPAQGC RKDRGASKTG KKGKGSKGCR KTERSQTPKG P

**Biological Activity:** Determined by its ability to chemoattract human total lymphocyte population using a concentration range of 10 –100 ng/ml

This material is offered for **research only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

<i>small</i>	5 µg	Cat.N°	11343180
<i>medium</i>	20 µg	Cat.N°	11343184

**ImmunoTools** Excellent Quality - Advantageously priced

Altenoyther Str. 10; 26169 Friesoythe; Germany  
 phone:+49-(0)4491-400997, fax:+49-(0)4491-400998, info@immunotools.com  
 www.immunotools.com