

**BACKGROUND:**

BACKGROUND: Exodus-2, also known as CCL21 and 6CKine, is a chemokine that is strongly produced in the human lymph nodes and spleen. Exodus-2 signals through the chemokine receptor CCR7 to regulate thymocyte and activated T cell migration, but is not chemotactic for monocytes. Exodus-2 also mediates the homing of lymphocytes to the lymphatic system. Human and mouse Exodus-2 share > 85% amino acid identity.

Recombinant human Exodus-2 is a non-glycosylated protein monomer, containing 111 amino acids and having a molecular mass of 12.3 kDa.

**Cat. No.:**  
RP1006

**Alternate Names:**

CCL21, 6CKine, secondary lymphoid tissue chemokine (SLC)

**AA Sequence:**

SDGGAQDCCL	KYSQRKIPAK	VVRSYRKQEP
SLGCSIPAIL	FLPRKRSQAE	LCADPKELWV
QQLMQHLDKT	PSPQKPAQGC	RKDRGASKTG
KKGKGSKGCK	RTERSQTPKG	P

**TECHNICAL INFO****Source:**

*E. coli*

**Physical Appearance:**

Sterile Filtered white lyophilized (freeze-dried) powder.

**Formulation:**

0.1% Trifluoroacetic Acid (TFA)

**Stability:**

Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

**Reconstitution:**

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/mL, which can be further diluted into other aqueous solutions.

**Protein Content and Purity determined by:**

- UV spectroscopy at 280 nm.
- RP-HPLC calibrated against a known standard.
- Quantitation against a known standard via reducing and non-reducing SDS-PAGE gels.

**Endotoxin Level:**

Endotoxin level, as measured by LAL analysis, is <0.01ng/ug or <0.1EU/ug.

