



## CTACK (CCL27), mouse recombinant (rmCTACK)

**Catalog No:** 97625  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** C-C motif chemokine 27, CC chemokine ILC, Cutaneous T-cell-attracting chemokine, CTACK, ESkin, IL-11 R-alpha-locus chemokine, ALP, mILC, Skinkine, Small-inducible cytokine A27, Ccl27, Ilc, Scya27

### Background

CTACK is a chemotactic factor that attracts skin-associated memory T-lymphocytes. CTACK is involved in mediating homing of lymphocytes to cutaneous sites. CTACK Binds to CCR10.

### Description

CTACK Mouse Recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 95 amino acids and having a molecular mass of 10.9 kDa. CTACK is purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

### Formulation

Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PBS, pH 7.4 and 300 mM NaCl.

### Solubility

It is recommended to reconstitute the lyophilized CTACK in sterile 18 MΩ-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

### Stability

Lyophilized CTACK although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CTACK 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 98.0% as determined by (a) Analysis by RP-HPLC, (b) Analysis by SDS-PAGE.

### Amino Acid Sequence

LPLPSSTSCC TQLYRQPLPS RLLRRIVHME LQBADGDCHL QAVVLHLARR SVCVHPQNRS LARWLERQ GK RLQGTVPSLN  
LVLQKKMYSN PQQQN

### Activity

The biological activity determined by a chemotaxis bioassay using human peripheral blood lymphocytes is in a concentration range of 10-100 ng/ml.

### Usage

**This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.**

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