

## Recombinant Mouse Cutaneous T-cell attracting chemokine (CTACK / CCL27)

**Synonyms:** C-C motif chemokine 27, CC chemokine ILC, Cutaneous T-cell-attracting chemokine, ESkin, IL-11 R-alpha-locus chemokine, ALP, mLIC, Skinkine, Small-inducible cytokine A27, Ccl27, Ilc, Scya27.

**Introduction:** CTACK is a chemotactic factor that attracts skin-associated memory T-lymphocytes. It 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 10.9kDa. The CTACK 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 concentrated solution in 20mM PB, pH7.4 and 300mM NaCl. The sample size of 1µg contains Trehalose 5% (w/vol) for better recovery

**Solubility:** It is recommended to reconstitute the lyophilized CTACK in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/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 and (b) Analysis by SDS-PAGE.

**Amino Acid Sequence:** LPLPSSTSCC TQLYRQPLPS RLLRRIVHME LQEADGDCHL QAVVLHLARR SVCVHPQNRSLARWLERQ GK RLQGTVP SLN LVLQK KMYSN PQQQN.

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

This material is offered for **research use 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°	12345210
<i>medium</i>	20 µg	Cat.N°	12345214

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