

CTACK Mouse Recombinant (CCL27)

Item Number	rAP-0122
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.
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.
Uniprot Accession Number	Q9Z1X0
Amino Acid Sequence	LPLPSSTSCC TQLYRQPLPS RLLRRIVHME LQEADGDCHL QAVVLHLARR SVCVHPQNRS LARWLERQGK RLQGTVPSLN LVLQKKMYSN PQQQN.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	Lyophilized from a 0.2µm filtered concentrated solution in 20mM PB, pH7.4 and 300mM NaCl. Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized CTACK in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**