CCL27
Recombinant Mouse CCL27/CTACK

Catalog No.	CRC600A	**Quantity:**	5 µg
	CRC600B		20 µg
	CRC600C		1 mg

Alternate Names: Cutaneous T-cell-Attracting Chemokine, ALP, CTAK, ILC, PESKY, SCYA27

Description: CCL27, also called IL-11 R-alpha-locus chemokine (ILC), skinkine, eskine, and cutaneous T-cell-attracting chemokine (CTACK), is a small cytokine belonging to the CC chemokine family. CCL27 is expressed in numerous tissues including gonads, thymus, placenta, and skin, and it elicits its chemotactic effects by binding to the chemokine receptor CCR10. CCL27 can attract skin-associated memory T-lymphocytes. Studies showed it may play a role in mediating homing of lymphocytes to cutaneous sites and cell migration during embryogenesis. Mature mouse CCL27 is a 95 amino acid (a.a.) protein that shares 57% a.a. and 87% a.a. sequence identity with human and rat CCL27, respectively. It shares 18 %~31 % a.a. sequence identity with other mouse CC chemokines.

Recombinant Mouse CCL27/CTACK is a single, non-glycosylated polypeptide chain containing 95 amino acids.

GeneID: 20301

Source: *E. coli*

Molecular Weight: 10.9 kDa

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in 2x PBS, pH 7.4, + 5% trehalose.

Purity: >98% as determined by SDS-PAGE and HPLC analyses

Endotoxin Level: <1 EU/µg of protein as determined by LAL method.

Biological Activity: Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood lymphocytes is in a concentration range of 10-100 ng/ml.

Amino Acid Sequence: LPLPSSTSCC TQLYRQPLPS RLLRRIVHME LQEADGDCHL QAVVLHLARR SVCVHPQNRS LARWLERQGK RLQGTVPSLN LVLQKKMYSN PQQQN

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer to a concentration of 0.1-1.0 mg/ml. Further dilutions should be made in appropriate buffered solutions.

Storage & Stability: The lyophilized protein is stable at 2-8°C. Upon receipt, store desiccated at -20°C. After reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -80°C. For long term storage of reconstituted protein, it is recommended that a carrier protein such as 0.1% BSA or HSA be added. This depends on the particular application. **Avoid repeated freeze/thaw cycles.**

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