# Recombinant Human CTACK (CCL27)

**Cat No:HR2R1295**

For research use only

## Overview

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|---|---|
| Quantity | 1.0 ?g |
| Gene Symbol | CCL27 |
| Gene ID | 10850 |
| Accession | Q9Y4X3 |
| Alternative Name | CTACK , C-C motif chemokine 27, CC chemokine ILC, Skinkine, ESkine, IL-11 R-alpha-locus chemokine, Small-inducible cytokine A27<br/>Recombinant Human Cutaneous T-cell-Attracting Chemokine (CCL27) |
| Species | Human |
| Source | E. coli |
| Description | CCL27 is a CC family chemokine which is expressed in epithelial cells and known to be up-regulated by inflammatory stimuli/wounded skin. CCL27 partakes in inflammation and wound healing ? by selectively attracting and directing CLA+ T cells into the skin, and inducing the migration of keratinocyte precursors from bone marrow to the skin. High levels of this chemokine in human serum though, have been linked to the severity of various diseases, one being atopic dermatitis. |
| Functions | Measured by its ability to chemoattract BaF3 mouse pro-B cells transfected with human CCR10. The ED50 for this effect is typically 0.1-0.4 ?g/mL. |
| Formulation | Lyophilized from a 0.2 ?m filtered solution in Acetonitrile and TFA with BSA as a carrier protein. |
| Solubility | Reconstitute at 100 ?g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin |
| Appearance | Lyophilized Powder |
| Molecular Weight | 10.4 |
| Purity | >95% as determined by SDS-PAGE |
| Concentration | <1.0 EU/?g of recombinant protein as determined by the LAL method. |
| Shipping Condition | Ambient Temperature |
| Storage Condition | The lyophilized protein is stable for at least one year from date of receipt at -70?C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8?C for one month, or at -20?C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles. |