

Recombinant Human CCL27 protein

Cat. No. CCL27-27826TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCL27 protein was expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	88
Description	This gene is one of several CC cytokine genes clustered on the p-arm of chromosome 9. Cytokines are a family of secreted proteins involved in immunoregulatory and inflammatory processes. The CC cytokines are proteins characterized by two adjacent cysteines. The protein encoded by this gene is chemotactic for skin-associated memory T lymphocytes. This cytokine may also play a role in mediating homing of lymphocytes to cutaneous sites. It specifically binds to chemokine receptor 10 (CCR10). Studies of a similar murine protein indicate that these protein-receptor interactions have a pivotal role in T cell-mediated skin inflammation.
Form	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Bio-activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using CCR10 transfected BaF3 cells is in a concentration range of 10-100 ng/ml.
Molecular Mass	Approximately 10.1 kDa, a single, non-glycosylated polypeptide chain containing 88

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	amino acids.
AA Sequence	FLLPPSTACCTQLYRKPLSDKLLRKVIQVELQEADGDCHLQAFVLHLAQRSICIHQPQN PSLSQWFEHQERKLHGTLPKLNFGMLRKMG
Endotoxin	Less than 0.1 EU/g of rHuCTACK/CCL27 as determined by LAL method.
Purity	>96% by SDS-PAGE and HPLC analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	CCL27
Official Symbol	CCL27
Synonyms	CCL27; chemokine (C-C motif) ligand 27; SCYA27, small inducible cytokine subfamily A (Cys Cys), member 27; C-C motif chemokine 27; ALP; CC chemokine ILC; CTACK; CTAK; cutaneous T cell attracting chemokine; ESkin; IL 11 Ralpha locus chemokine; ILC; PESKY; skinkine; IL-11 Ralpha-locus chemokine; small-inducible cytokine A27; IL-11 R-alpha-locus chemokine; cutaneous T-cell attracting chemokine; cutaneous T-

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cell-attracting chemokine; small inducible cytokine subfamily A (Cys-Cys), member 27; ESKINE; SCYA27;

Gene ID 10850

mRNA Refseq NM_006664

Protein Refseq NP_006655

MIM 604833

UniProt ID Q9Y4X3

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