



Recombinant Human CTACK (CCL27)

20171103BB



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	100-145
Size:	20 µg
Lot. No.:	According to product label

Scientific Background

Gene-ID (NCBI):	10850
Synonyms:	CCL27; ALP; ILC; CTAK; CTACK; PESKY; ESKINE; SCYA27

CTACK is a keratinocyte-derived CC chemokine which signals through the CCR10 receptor. Both CTACK and CCR10 are expressed in normal and irritated epithelial cells. CTACK selectively attracts CLA⁺ T-cells and directs them into the skin. CTACK contains the four highly conserved cysteine residues present in most CC chemokines. The mature protein contains 88 amino acid residues. Recombinant human CTACK is a 10.2 kDa protein containing 88 amino acid residues.

Sequence

FLLPPSTACC TQLYRKPLSD KLLRKVIQVE LQEADGDCHL
QAFVLHLAQR SICIHPQNPS LSQWFEHQER KLHGTLPKLN FGMLRKMG

Database References

Protein RefSeq:	NP_006655
Uniprot ID:	Q9Y4X3
mRNA RefSeq:	NM_006664

Product Specifications

Expressed in	E. coli
Purity	> 98% by SDS-PAGE & HPLC analyses
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	lyophilized
Length (aa):	88
MW:	10.2 kDa

Stability: The lyophilized protein is stable at room temperature for 1 month and at 4°C for 6 months. Reconstituted working aliquots are stable for 1 week at 2°C to 8°C and for 3 months at -20°C to -80°C.

Reconstitution: Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. *Do not vortex.* This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.



AVOID REPEATED FREEZE AND THAW CYCLES!

Biological Activity: Determined by its ability to chemoattract CXCR3 transfected HEK293 cells using a concentration of 10-100 ng/ml.