

**Product Name: CCL27 (CTACK)**

Catalog Numbers: CCL27-5ug CCL27-20ug CCL27-50ug CCL27-100ug CCL27-1mg

**DESCRIPTION**

<b>Source</b>	E. coli derived Accession # Q9Y4X3 (25-112)
<b>Modification</b>	None
<b>Actual Molecular Mass (Mass Spec)</b>	Mol weight confirmed by mass spec
<b>Predicted Molecular Mass</b>	10.149kDa
<b>Extinction Coefficient</b>	7450 M <sup>-1</sup> cm <sup>-1</sup>
<b>Protein Sequence</b>	FLLPPSTACCTQLYRKPLSDKLLRKVIQVELQEADGDCHLQAFVLHLAQRSICIHQNPSSLQWFEHQERKLHGTLPKLNFGMLRKMKG

**SPECIFICATIONS**

<b>Activity</b>	EC50 = 34nM determined by Migration Assay in cells expressing recombinant CCR10
<b>Endotoxin Level</b>	<0.01 EU per 1µg of the protein by the LAL method
<b>Purity</b>	> 97% by SDS PAGE
<b>Formulations</b>	Lyophilized
<b>Carrier Protein</b>	None

**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Spin tube prior to resuspending. Recommended at 100µg/mL in sterile water
<b>Shipping</b>	Room Temp

**Stability and Storage****Avoid repeated freeze-thaw cycles**

- 12 months from date of receipt, -20 to -70 °C as supplied.
- Suggest to use immediately after reconstitution
- 1 month at -20 to -70 °C under sterile conditions after reconstitution.

**BACKGROUND****Description**

Cutaneous T-cell-attracting chemokine (CTACK)(CCL27) is a ligand for cell surface receptor CCR10. It is responsible for chemotaxis of skin-homing memory T cells during cutaneous inflammation. Interestingly, after CCR10-mediated internalization, CTACK, as well as a non-secreted splice variant of the same gene, can reach the nucleus and modulate transcription and cell behavior.

**References:**

1. CCL27-CCR10 interactions regulate T cell-mediated skin inflammation.  
Homey et al.  
Nature Med. 8: 157-165 (2002)
2. Molecular cloning of a novel CC chemokine, interleukin-11 receptor alpha-locus chemokine (ILC), which is located on chromosome 9p13 and a potential homologue of a CC chemokine encoded by molluscum contagiosum virus.  
Ishikawa-Mochizuki et al.  
FEBS Lett. 460:544-548 (1999)
3. The Chemokine ESkin/CCL27 Displays Novel Modes of Intracrine and Paracrine Function  
Gortz A. et al.  
J Immunol. 169:1387-1394 (2002)