

## Recombinant Mouse Cutaneous T-cell Attracting Chemokine/CCL27 (Mouse CTACK/CCL27)

### Product Information

Product Name	Cat#	Size
Recombinant Mouse Cutaneous T-cell Attracting Chemokine/CCL27 (Mouse CTACK/CCL27)	90993ES08	5 µg
	90993ES60	100 µg
	90993ES76	500 µg

### Product Description

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<sup>+</sup> 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 Murine CTACK is a 10.9 kDa protein containing 95 amino acid residues.

### Product Properties

<b>Synonyms</b>	CCL27
<b>Accession</b>	Q9Z1X0
<b>GeneID</b>	20301
<b>Source</b>	E.coli-derived Mouse CCL27 protein,Leu26-Asn120.
<b>Molecular Weight</b>	Approximately 10.9 kDa
<b>AA Sequence</b>	LPLPSSTSCC TQLYRQLPLS RLLRRIVHME LQEADGDCHL QAVVLHLARR SVCVHPQNRS LARWLERQ GK RLQGTVP SLN LVLQKKMYSN PQQQN
<b>Tag</b>	None
<b>Physical Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Purity</b>	> 98% by SDS-PAGE and HPLC analyses.
<b>Biological Activity</b>	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.
<b>Endotoxin</b>	<1 EU/µg of protein as determined by LAL method.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered concentrated solution in 2 × PBS, pH 7.4, with 5% trehalose. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
<b>Reconstitution</b>	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°C. Further dilutions should be made in appropriate buffered solutions.

### Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

### Cautions

1. Avoid repeated freeze-thaw cycles.

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2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.