

## CTACK/CCL27 Protein, Mouse

<b>Cat. No.:</b>	HY-P79264
<b>Synonyms:</b>	C-C motif chemokine 27; CC chemokine ILC; IL-11 R-alpha-locus chemokine; cutaneous T-cell-attracting chemokine; skinkine; skinskine; small inducible cytokine A27a; ALP; ILC; CTAK; CTACK; Ccl27; PESKY; ESKine; Scya27; Scya27a; AW558992
<b>Species:</b>	Mouse
<b>Source:</b>	E. coli
<b>Accession:</b>	NP_035466 (L26-N120)
<b>Gene ID:</b>	20301
<b>Molecular Weight:</b>	Approximately 11 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>L P L P S S T S C C    T Q L Y R Q P L P S    R L L R R I V H M E    L Q E A D G D C H L</p> <p>Q A V V L H L A R R    S V C V H P Q N R S    L A R W L E R Q G K    R L Q G T V P S L N</p> <p>L V L Q K K M Y S N    P Q Q Q N</p>
<b>Biological Activity</b>	Measured by its ability to chemoattract HUT78 cells. The ED <sub>50</sub> for this effect is 0.0145 µg/mL, corresponding to a specific activity is 6.897×10 <sup>4</sup> U/mg.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 4mM HCL, pH 0.8, 5% trehalose, 5% mannitol and 0.01% Tween80.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	CTACK/CCL27 protein serves a vital role by enabling chemokine activity and participating in cell chemotaxis. It acts upstream of positive regulation of T cell chemotaxis and positive regulation of actin cytoskeleton reorganization, suggesting its involvement in immune responses and cellular motility. This protein is located in the extracellular region and nucleus, highlighting its versatility in cellular processes. With a broad expression pattern across various tissues, including the genitourinary system, hip, liver, sensory organ, and skeleton, CTACK/CCL27 exhibits a widespread impact on different physiological contexts. The orthologous relationship with human CCL27 emphasizes the evolutionary conservation and functional relevance of this chemokine protein across species.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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