

## CCL27 Protein, Human (N-His)

Cat. No.:	HY-P7767A
Synonyms:	rHuCCL27; C-C Motif Chemokine 27; CC Chemokine ILC; Cutaneous T-Cell-Attracting Chemokine; CTACK; Eskine; IL-11 R-Alpha-Locus Chemokine; Skinkine; Small-Inducible Cytokine A27; CCL27; ILC; SCYA27
Species:	Human
Source:	E. coli
Accession:	Q9Y4X3 (F25-G112)
Gene ID:	10850
Molecular Weight:	Approximately 14 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 30% acetonitrile, 0.1% TFA. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	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.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	CCL27 protein functions as a chemotactic factor specifically attracting skin-associated memory T-lymphocytes and is implicated in mediating the homing of lymphocytes to cutaneous sites. Through its binding to CCR10, CCL27 orchestrates the migration of immune cells in the skin, indicating its pivotal role in the regulation of skin immunity. Existing as a monomer, dimer, and tetramer, the protein's oligomerization is avidly promoted by heparin. Additionally, CCL27 interacts with TNFAIP6, specifically through its Link domain, suggesting potential regulatory roles in the context of immune responses and inflammatory processes within the skin microenvironment.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA