

PrimeGene™ Recombinant Human Cutaneous T-cell Attracting
a biotechne brand **Chemokine/CCL27**
(rHuCTACK/CCL27)
PrimeGene Technical Data Sheet

Catalog Number:	204-27
Source:	Escherichia coli.
Molecular Weight:	Approximately 10.1 kDa, a single, non-glycosylated polypeptide chain containing 88 amino acids.
Quantity:	5µg/20µg/1000µg
AA Sequence:	FLLPPSTACC TQLYRKPLSD KLLRKVIQVE LQEADGDCHL QAFVLHLAQR SICIHPQNPS LSQWFEHQER KLHGTLPKLN FGMLRKMG
Purity:	> 96 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using CCR10 transfected BaF3 cells is in a concentration range of 10-100 ng/ml.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Endotoxin:	Less than 0.1 EU/µg of rHuCTACK/CCL27 as determined by LAL method.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. 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:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">● 12 months from date of receipt, -20 to -70 °C as supplied.● 1 month, 2 to 8 °C under sterile conditions after reconstitution.● 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Usage:	This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.

Human Cutaneous T-cell Attracting Chemokine/CCL27

CCL27, also named IL-11 R-alpha-locus chemokine (ILC), skinkine, eskine and cutaneous T-cell-attracting chemokine (CTACK), is a small cytokine belonging to the CC chemokine family. CCL27 is expressed in numerous tissues, including gonads, thymus, placenta and skin and it elicits its chemotactic effects by binding to the chemokine receptor CCR10. CCL27 can attract skin-associated memory T-lymphocytes. Studies showed it may play a role in mediating homing of lymphocytes to cutaneous sites and cell migration during embryogenesis. Mature human CCL27 is an 88 amino acid (a.a.) protein that shares 56 % a.a. sequence identity with murine.