

Recombinant Human CCL27

Catalog # FL086

Product Specifications

Appearance	Sterile filtered White lyophilized (freeze-dried) powder.
Purity	> 96% by SDS-PAGE or HPLC.
Endotoxin	< 0.01 EU/μg of rHuCTACK/CCL27 protein as determined by LAL method.
Expression System	Expressed in E. coli.
Species	Human
Tag	Tag free.
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.
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.0.
Reconstitution	Before use this product, please read the direction below carefully. This vial must be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a 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.
Accession #	Q9Y4X3 Phe25-Gly112
Amino acid sequence	FLLPPSTACCTQLYRKPLSDKLLRKVIQVELQEADGDCHLQAFVLHLAQRSICIHQPNSLSQWFEHQERKLHGTLPKLNFGMLRKMGM
Molecular weight	Approximately 10.1 kDa, a single non-glycosylated polypeptide chain containing 88 amino acids.
Synonyms	Cutaneous T-cell Attracting Chemokine, CCL27, ALP, Skinkine, ESkin
Stability & Storage	Shipped on wet ice. For long term storage, the product should be stored ≤ -20°C. Please avoid repeated freeze-thaw cycles after reconstitution. 36 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.
Precautions	Recombinant Human CCL27 is for research use only and not for use in diagnostic or therapeutic procedures.

Background

CCL27, also named IL-11 R-alpha-locus chemokine (ILC), Skinkine, ESkin 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. Recombinant Human CTACK is a 10.2kDa protein containing 88 amino acid residues.

