CCL27 (CTACK) Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: CC chemokine ILC, Cutaneous T-cell-attracting chemokine, CTACK, Eskine, IL-11 R-alpha-locus chemokine, Skinkine, Small-inducible cytokine A27, C-C motif chemokine 27

Cat. No.:
RD172384050 (0.05 mg)

Description

Total 88 AA. MW: 10,1 kDa (calculated). UniProtKB acc.no Q9Y4X3 (25-112) Protein identity confirmed by LC-MS/MS.

Introduction to the Molecule

Cutaneous T-cell-attracting chemokine (CTACK)(CCL27) is a ligand for cell surface receptor CCR10. It is responsible for chemotaxis of skin-homing memory T cells during cutaneous inflammation. Interestingly, after CCR10-mediated internalization, CTACK, as well as a non-secreted splice variant of the same gene, can reach the nucleus and modulate transcription and cell behavior.

Research topic

Chemokines, Cytokines and chemokines and related molecules

Amino Acid Sequence

FLLPPSTACC TQLYRKPLSD KLLRKVIQVE LQEADGDCHL QAFVLHLAQR SICIHPQNPS LSQWFEHQER KLHGTLPKLN FGMLRKMG

Source

E. coli

Purity

Purity as determined by SDS PAGE: >97 %

Biological Activity

EC50 = 34nM determined by Migration Assay in cells expressing recombinant CCR10

Endotoxin

<0.01 EU /1µg

Reconstitution

Add sterile water to prepare a working stock solution of approximately 0.1 mg/ml and let the lyophilized pellet dissolve completely.

Shipping

Add sterile water to prepare a working stock solution of approximately 0.1 mg/ml and let the lyophilized pellet dissolve completely.

Storage, Stability/Shelf Life

Store the lyophilized protein at -20 to -70 °C. Lyophilized protein remains stable until the expiry date when stored at-20 to -70 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -20 to -70 °C, the protein is stable for 3 months at -20 to -70 °C under sterile conditions after reconstitution. Reconstituted protein can be stored at 4 °C for 1 month

Quality Control Test

Quantification is done by A280, using the calculated extinction coefficient (7450 M-1 cm-1).
SDS-PAGE to determine purity of the protein.

LAL TEST to determine endotoxin level.

Applications

Biologically active protein, Cell culture and/or animal studies, ELISA, Western blotting

Note

This product is intended for research use only.

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