

**TECHNICAL DATA SHEET**

# Recombinant Human CCL27 (CTACK) (Carrier-free)

Catalog Number: 21-7025

**RPx-Pro™ Recombinant Protein**

**PRODUCT INFORMATION**

**CONTENTS**

Recombinant Human CCL27 (CTACK) (Carrier-free)

**DESCRIPTION**

CCL27 is a member of the CC family of chemokines and selectively attracts memory T cells to the skin and plays a role in cutaneous inflammation. CCL27 exerts its effects through binding to the CCR10 receptor expressed on epithelial cells.

**MOLECULAR MASS**

Recombinant human CTACK is a 10.2 kDa protein containing 88 amino acid residues.

**AMINO ACID SEQUENCE**

FLLPPSTACC TQLYRKPLSD KLLRKVIQVE LQEADGDCHL QAFVLHLAQR SICIHPQNPS LSQWFEHQER KLHGTLPKLN FGMLRKMG

**SOURCE**

E. coli

**APPLICATIONS**

Bioassay

**PURITY**

98 %

**STORAGE**

-20°C

**PROTEIN CONTENT**

Content Verified by UV Spectroscopy and/or SDS-PAGE

**ENDOTOXIN LEVEL**

Endotoxin level is <0.1 ng/μg of protein (<1 EU/μg).

**AUTHENTICITY**

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

**CROSS REACTIVITY**

Mouse

**BIOACTIVITY**

Determined by its ability to chemoattract CXCR3 transfected cells using a concentration of 10.0-100.0 ng/ml.

**RESEARCH AREAS**

Chemotaxis; Immune System; Wound Healing

**RECONSTITUTION**

See Certificate of Analysis (COA) for lot specific reconstitution information.

**REFERENCES**

Morales J, Homey B, Vicari AP, Hudak S, Oldham E, Hedrick J, Orozco R, Copeland NG, Jenkins NA, McEvoy LM, Zlotnik A. 1999. Proc Natl Acad Sci U S A. 96(25): 14470-14475. Homey B, Wang W, Soto H, Buchanan ME, Wiesenborn A, Catron D, Müller A, McClanahan TK, Dieu-Nosjean MC, Orozco R, Ruzicka T, Lehmann P, Oldham E, Zlotnik A. 2000. J Immunol. 164(7): 3465-3470.

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