

TECHNICAL DATA SHEET

Recombinant Mouse CTACK (CCL27) (Carrier-Free)

Catalog Number: 21-9138

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Mouse CTACK (CCL27) (Carrier-Free)

DESCRIPTION

CTACK is a keratinocyte-derived CC chemokine which signals through the CCR10 receptor. Both CTACK and CCR10 are expressed in normal and irritated epithelial cells. CTACK selectively attracts CLA+ T-cells and directs them into the skin. CTACK contains the four highly conserved cysteine residues present in most CC chemokines. The mature protein contains 88 amino acid residues.

MOLECULAR MASS

Recombinant Mouse CTACK is a 10.9 kDa protein containing 95 amino acid residues.

AMINO ACID SEQUENCE

LPLPSSTSCC TQLYRQPLPS RLLRRIVHME LQEADGDCHL QAVVLHLARR SVCVHPQNRS LARWLERQ GK RLQGTVPSLN LVLQKKMYSN PQQQN

SOURCE

E. coli

APPLICATIONS

Bioassay

PURITY

98 %

STORAGE

-20°C

PROTEIN CONTENT

Content Verified by UV Spectroscopy and/or SDS-PAGE gel.

ENDOTOXIN LEVEL

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

AUTHENTICITY

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

CROSS REACTIVITY

Human, Mouse

BIOACTIVITY

Determined by its ability to chemoattract human peripheral blood lymphocytes using a concentration range of 10.0-100.0 ng/ml.

RESEARCH AREAS

Immune System, Wound Healing, Chemotaxis

RECONSTITUTION

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

REFERENCES

Chang, S.Y. Colonic patches direct the cross-talk between systemic compartments and large intestine independently of innate immunity. 2008. The Journal of Immunology; 180(3):1609-18. Bahar, M.W. Structure and function of A41, a vaccinia virus chemokine binding protein. 2008. PLoS Pathogens; 4(1):e5.

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