

TECHNICAL DATA SHEET

Recombinant Human LD-78B (CCL3L1) (Carrier-Free)

Catalog Number: 21-9167

RPx-Pro™ Recombinant Protein
PRODUCT INFORMATION

CONTENTS

Recombinant Human LD-78B (CCL3L1) (Carrier-Free)

DESCRIPTION

LD78beta is a CC chemokine that is closely related to MIP-1alpha. It signals through the CCR5 receptor and the beta-chemokine receptor, D6. LD78beta has been shown to exhibit potent activity in HIV suppression assays.

MOLECULAR MASS

Recombinant Human LD78beta is a 7.7 kDa protein containing 70 amino acid residues, including the four conserved cysteine residues present in CC chemokines.

AMINO ACID SEQUENCE

APLAADTPTA CCFSYTSRQI PQNFIADYFE TSSQCSKPSV IFLTKRGRQV CADPSEEWVQ KYVSDLELSA

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

Bacteria, Human

BIOACTIVITY

Determined by its ability to chemoattract human monocytes using a concentration range of 1.0-10.0 ng/ml.

RESEARCH AREAS

AIDS/HIV, Wound Healing, Chemotaxis

RECONSTITUTION

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

REFERENCES

Yung, S.C. Host Chemokines Bind to Staphylococcus aureus and Stimulate Protein A Release. 2011. The Journal of Biological Chemistry; 286(7):5069-77.
 Teoh, P.J. Atypical chemokine receptor ACKR2 mediates chemokine scavenging by primary human trophoblasts and can regulate fetal growth, placental structure, and neonatal mortality in mice. 2014. The Journal of Immunology; 193(10):5218-28.

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