

TECHNICAL DATA SHEET

Recombinant Human HCC-1 (72 a.a.) (CCL14) (Carrier-Free)

Catalog Number: 21-9152

RPx-Pro™ Recombinant Protein
PRODUCT INFORMATION

CONTENTS

Recombinant Human HCC-1 (72 a.a.) (CCL14) (Carrier-Free)

DESCRIPTION

HCC-1 is a CC chemokine that signals through the CCR1 receptor and chemoattracts blood monocytes. It is secreted by various tissues, including skeletal muscle, heart, spleen, liver and bone marrow. Mature HCC-1 is found in four different forms, which are distinguished by differential N-terminal truncation and contain 74, 72, 71, or 66 amino acid residues.

MOLECULAR MASS

Recombinant Human HCC-1 is an 8.4 kDa protein consisting of 72 amino acids, including the four highly conserved residues present in CC chemokines.

AMINO ACID SEQUENCE

TESSSRGPYH PSECCFTYTT YKIPRQRIMD YYETNSQCSK PGIVFITKRG HSVCTNPSDK WVQDYIKDMK EN

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, Mouse

BIOACTIVITY

Determined by its ability to chemoattract human monocytes using a concentration range of 5.0-20.0 ng/ml.

RESEARCH AREAS

Wound Healing, Bone, Skeletal, Cartilage, Chemotaxis

RECONSTITUTION

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

REFERENCES

Bryan, J.D. Streptococcus agalactiae CspA is a serine protease that inactivates chemokines. 2009. Journal of Bacteriology; 191(6):1847-54. Power, C.A. Cloning and Characterization of a Specific Receptor for the Novel CC Chemokine MIP-3a from Lung Dendritic Cells. 1997. The Journal of Experimental Medicine; 186(6):825-835.

Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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