

TECHNICAL DATA SHEET

Recombinant Human CCL14 (HCC-1) (66 a.a.) (Carrier-free)

Catalog Number: 21-7018

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Human CCL14 (HCC-1) (66 a.a.) (Carrier-free)

DESCRIPTION

CCL14 is a member of the CC family of chemokines and is found in high concentration in human plasma. Several molecular forms of CCL14 have been identified. The CCL14 propeptide is converted from a low affinity agonist to a high affinity agonist for CCR1 by proteolytic processing by serine proteases. Mature CCL14 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 (66 a.a.) is a 7.8 kDa protein consisting of 66 amino acids including the four highly conserved residues present in CC chemokines.

AMINO ACID SEQUENCE

GPYHPSECCF TYTTYKIPRQ RIMDYETNS QCSKPGIVFI TKRGHSVCTN PSDKWWQDYI KDMKEN

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

BIOACTIVITY

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

RESEARCH AREAS

Bone, Skeletal, Cartilage; Chemotaxis; Wound Healing

RECONSTITUTION

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

REFERENCES

Schulz-Knappe P, Mägert HJ, Dewald B, Meyer M, Cetin Y, Kubbies M, Tomeczkowski J, Kirchhoff K, Raida M, Adermann K, Kist A, Reinecke M, Sillard R, Pardigol A, Uguccioni M, Baggiolini M, Forssmann WG. 1996. J Exp Med. 183(1): 295-299. Savino B, Borroni EM, Torres NM, Proost P, Struyf S, Mortier A, Mantovani A, Locati M, Bonecchi R. 2009. J Biol Chem. 284(38): 26207-26215.

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