

TECHNICAL DATA SHEET

Recombinant Human CCL7 (MCP-3) (Carrier-free)

Catalog Number: 21-8198

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Human CCL7 (MCP-3) (Carrier-free)

DESCRIPTION

MCP-3 (CCL7) also initially called monocyte-specific cytokine-3 is a CC chemokine family member produced by macrophages, endothelial cells and some tumor cell lines. MCP-3 is predominantly a chemoattractant for monocytes and macrophages but also for activated T cells, basophils, NK cells, and immature dendritic cells. MCP-3 binds to several CC receptors shared by MCP-1 and RANTES.

MOLECULAR MASS

Recombinant Human MCP-3 is a 9.0 kDa protein containing 76 amino acid residues.

AMINO ACID SEQUENCE

QPVGINTSTT CCYRFINKKI PKQRLESYRR TTSSHCPREA VIFKTKLDKE ICADPTQKWV QDFMKHLDKK TQTPKL

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

Hamster, Monkey, Mouse

BIOACTIVITY

Assessed by chemoattraction assays of human peripheral blood monocytes using a concentration range of 10.0-100.0 ng/ml.

RESEARCH AREAS

Angiogenesis/Cardiovascular; Cancer; Chemotaxis; Immune System; Neurobiology; Wound Healing

RECONSTITUTION

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

REFERENCES

Opdenakker G, G Froyen, P Fiten, P Proost and J Van Damme 1993 Biochem Biophys Res Commun 191: 535–542. Opdenakker G, P Fiten, G Nys, G Froyen, N Van Roy, F Speleman, G Laureys and J Van Damme 1994 Genomics 21: 403–408. Van Damme J, P Proost, JP Lenaerts and G Opdenakker 1992 J Exp Med 176: 59–65. Power CA, JM Clemetson, KJ Clemetson and TN Wells 1996 Cytokine 7: 479–482.

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