

TECHNICAL DATA SHEET

# Recombinant Mouse CCL7 (MCP-3) (Carrier-free)

Catalog Number: 21-7011

**RPx-Pro™ Recombinant Protein**

PRODUCT INFORMATION

**CONTENTS**

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

**DESCRIPTION**

CCL7, also known as MCP3, is a member of the CC family of chemokines. CCL7 is a chemoattractant for monocytes and eosinophils and can regulate the functional activity of monocytes. CCL7 exerts its effects through binding to the receptors CCR1, CCR2 and CCR3.

**MOLECULAR MASS**

Recombinant murine MCP-3 is an 8.5 kDa protein containing 74 amino acid residues including the four highly conserved cysteine residues present in the CC chemokines.

**AMINO ACID SEQUENCE**

QPDGPNASTC CYVKKQKIPK RNLKSYRRIT SSRCPWEAVI FKTKKGMEVC AEAHQKWVEE AIAYLDMKTP TPKP

**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 Balb/C mouse spleen MNCs using a concentration range of 10.0-100.0 ng/ml.

**RESEARCH AREAS**

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

**RECONSTITUTION**

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

**REFERENCES**

Heinrich JN, Ryseck RP, Macdonald-Bravo H, Bravo R. 1993. Mol Cell Biol. 13(4): 2020-2030. McQuibban GA, Gong JH, Tam EM, McCulloch CA, Clark-Lewis I, Overall CM. 2000. Science. 289(5482): 1202-1206.

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