

TECHNICAL DATA SHEET

Recombinant Mouse CCL3 (MIP-1 α) (Carrier-free)

Catalog Number: 21-8000

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Mouse CCL3 (MIP-1 α) (Carrier-free)

DESCRIPTION

MIP-1 alpha, or CCL3, is a member of the CC chemokine family. MIP-1 alpha plays a role in the acute inflammatory response and is a chemoattractant for monocytes, neutrophils, eosinophils, NK cells, and CD8+ T lymphocytes.

MOLECULAR MASS

Recombinant Mouse CCL3 (MIP-1 α) is a 7.8 kDa protein composed of 69 amino acid residues.

AMINO ACID SEQUENCE

APYGADTPTA CCFYSYRKIP RQFIVDYFET SSLCSQPGVI FLTKRNRQIC ADSKETWVQE YITDLELNA

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

N/A

BIOACTIVITY

Determined by its ability to chemoattract Mouse balb/c splenocytes using a concentration range of 10.0-100.0 ng/ml.

RESEARCH AREAS

AIDS/HIV; Chemotaxis; Immune System; Inflammation; Neurobiology; Wound Healing; Transplantation

RECONSTITUTION

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

REFERENCES

Irving SG, PF Zipfel, J Balke, OW McBride, CC Morton, PR Burd, U Siebenlist and K Kelly 1990 Nucleic Acids Res 18(11): 3261-3270. Widmer U, Z Yang, S van Deventer, KR Manogue, B Sherry and A Cerami 1991 J Immunol 146(11): 4031-4040. Alam R, PA Forsythe, S Stafford, MA Lett-Brown and JA Grant 1992 J Exp Med 176(3): 781-786. Rot A, M Krieger, T Brunner, SC Bischoff, TJ Schall and CA Dahinden 1992 J Exp Med 176(6): 1489-1495. Taub DD, AR Lloyd, JM Wang, JJ Oppenheim and DJ Kelvin 1993 Adv Exp Med Biol 351: 139-146.

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