

TECHNICAL DATA SHEET

Recombinant Human CCL13 (MCP-4) (Carrier-free)

Catalog Number: 21-7017

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Human CCL13 (MCP-4) (Carrier-free)

DESCRIPTION

CCL13 is a member of the CC family of chemokines that induces chemotaxis of monocytes, eosinophils, T cells and basophils. CCL13 exerts its effects through binding to the G-protein-linked receptors CCR2, CCR3 and CCR5.

MOLECULAR MASS

Recombinant human MCP-4 is an 8.6 kDa protein containing 75 amino acid residues including the four highly conserved cysteine residues present in the CC chemokines.

AMINO ACID SEQUENCE

QPDALNVPST CCFTFSSKKI SLQRLKSYVI TTSRCPQKAV IFRTKLGKEI CADPKEKWWQ NYMKHLGRKA HTLKT

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

Monkey, Mouse

BIOACTIVITY

Determined by its ability to chemoattract human monocytes using a concentration 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

Ugucioni M, Loetscher P, Forssmann U, Dewald B, Li H, Lima SH, Li Y, Kreider B, Garotta G, Thelen M and Baggiolini M. 1996. J Exp Med. 183(5): 2379-2384. Dean RA, Cox JH, Bellac CL, Doucet A, Starr AE and Overall CM. 2008. Blood. 112(8): 3455-3464.

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