

TECHNICAL DATA SHEET

Recombinant Mouse CXCL10 (IP-10) (Carrier-free)

Catalog Number: 21-8310

RPx-Pro™ Recombinant Protein
PRODUCT INFORMATION

CONTENTS

Recombinant Mouse CXCL10 (IP-10) (Carrier-free)

DESCRIPTION

IP-10, or CXCL10, is a member of the CXC family of chemokines and is secreted by monocytes, epithelial cells, and fibroblasts following stimulation with Ifn gamma and other proinflammatory cytokines. IP-10 has chemoattractant activity for monocytes, macrophages, T cells, and NK cells.

MOLECULAR MASS

Recombinant Mouse IP-10 is a 8.7 kDa protein, containing 77 amino acid residues.

AMINO ACID SEQUENCE

IPLARTVRCN CIHIDDGPVR MRAIGKLEII PASLSCRVE IATMKKNDE QRCLNPESKT IKNLMKAFSQ KRKRAP

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

Bacteria, Human

BIOACTIVITY

Assay #1: Determined by its ability to chemoattract IL-2 activated T cells using a concentration range of 0.1-10.0 ng/ml.

Assay #2: Determined by its ability to chemoattract CXCR3 transfected/HEK293 cells using a concentration range of 100-500 ng/ml.

RESEARCH AREAS

Angiogenesis/Cardiovascular; Chemotaxis; Immune System; Inflammation; Neurobiology; Proliferation; Wound Healing; Allergy; Transplantation

RECONSTITUTION

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

REFERENCES

Luster AD, JC Unkeless and JV Ravetch 1985 Nature 315(6021): 672-676. Vanguri P and JM Farber 1990 J Biol Chem 265(25): 15049-15057. Loetscher M, B Gerber, P Loetscher, SA Jones, L Piali, I Clark-Lewis, M Baggiolini and B Moser 1996 J Exp Med 184(3): 963-969.

Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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