

TECHNICAL DATA SHEET

Recombinant Human IL-8 (77a.a.) (CXCL8) (Carrier-Free)

Catalog Number: 21-9121

RPx-Pro™ Recombinant Protein
PRODUCT INFORMATION

CONTENTS

Recombinant Human IL-8 (77a.a.) (CXCL8) (Carrier-Free)

DESCRIPTION

IL-8 is a proinflammatory CXC chemokine that can signal through the CXCR1 and CXCR2 receptors. It is secreted by monocytes and endothelial cells. IL-8 chemoattracts and activates neutrophils.

MOLECULAR MASS

Recombinant Human IL-8 (endothelial-derived) is an 8.9 kDa protein containing 77 amino acid residues.

AMINO ACID SEQUENCE

AVLPRSAKEL RCQCIKTYSK PFHPKFIKEL RVIESGPHCA NTEIIVKLSL GRELCCLDPKE NWWQQRVVEKF LKRAENS

SOURCE

E. coli

APPLICATIONS

Bioassay

PURITY

98 %

STORAGE

-20°C

PROTEIN CONTENT

Content Verified by UV Spectroscopy and/or SDS-PAGE gel.

ENDOTOXIN LEVEL

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

AUTHENTICITY

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

CROSS REACTIVITY

Bacteria, Chicken, Human, Mouse

BIOACTIVITY

Determined by its ability to chemoattract human peripheral blood neutrophils using a concentration range of 25.0-150.0 ng/ml.

RESEARCH AREAS

Inflammation, Neurobiology, Wound Healing, Angiogenesis/Cardiovascular, Allergy, Transplantation, Apoptosis, Chemotaxis

RECONSTITUTION

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

REFERENCES

Van Zee, K.J. IL-8 In Septic Shock, Endotoxemia, And After IL-1 Administration. 1991. The Journal of Immunology; 146. Number 10. Pp.3478-3482. Qi, J. Fibrin Regulation of Interleukin-8 Gene Expression in Human Vascular Endothelial Cells. 1997. Blood; 90 (9) pp.3595-3602.

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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