

TECHNICAL DATA SHEET

Recombinant Human CXCL7 (NAP-2) (Carrier-free)

Catalog Number: 21-7037

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Human CXCL7 (NAP-2) (Carrier-free)

DESCRIPTION

CXCL7, a member of the CXC chemokine family, is a proteolytic fragment of platelet basic protein (PBP) that is released from the alpha-granules of activated platelets. CXCL7 is chemotactic for neutrophils and exerts its effects through binding to the CXCR2 receptor.

MOLECULAR MASS

Recombinant human NAP-2 protein is a 7.6 kDa protein containing 70 amino acid residues.

AMINO ACID SEQUENCE

AELRMCICKT TSGIHPKNIQ SLEVIGKGTG CNQVEVIATL KDGRKICLDP DAPRIKKIVQ KKLAGEDESAD

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, Hamster

BIOACTIVITY

Determined by its ability to chemoattract human neutrophils using a concentration range of 1.0-10.0 ng/ml.

RESEARCH AREAS

Chemotaxis; Wound Healing

RECONSTITUTION

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

REFERENCES

Iida N, Haisa M, Igarashi A, Pencev D, Grotendorst GR. 1996. FASEB J. 10(11): 1336-1345. Schenk BI, Petersen F, Flad HD, Brandt E. 2002. J Immunol. 169(5): 2602-2610.

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