

TECHNICAL DATA SHEET

Recombinant Human CXCL5 (ENA-78) (5-78 a.a.) (Carrier-free)

Catalog Number: 21-7036

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Human CXCL5 (ENA-78) (5-78 a.a.) (Carrier-free)

DESCRIPTION

CXCL5 is a member of the CXC chemokine family member that is produced by eosinophils. CXCL5 is chemotactic for neutrophils and exerts its effects through binding to the CXCR2 receptor.

MOLECULAR MASS

Recombinant human ENA-78 is an 8.0 kDa protein consisting of 74 amino acid residues.

AMINO ACID SEQUENCE

AAVLRELRCV CLQTTQGVHP KMISNLQVFA IGPQCSKVEV VASLKNNGKEI CLDPEAPFLK KVIQKILDGG NKEN

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

Hamster

BIOACTIVITY

Determined by its ability to chemoattract human peripheral blood neutrophils using a concentration of 5.0-10.0 ng/ml.

RESEARCH AREAS

Angiogenesis/Cardiovascular; Chemotaxis; Inflammation; Wound Healing

RECONSTITUTION

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

REFERENCES

Walz A, Burgener R, Car B, Baggiolini M, Kunkel SL, Strieter RM. 1991. J Exp Med. 174(6): 1355-1362. Mei J, Liu Y, Dai N, Favara M, Greene T, Jeyaseelan S, Poncz M, Lee JS, Worthen GS. 2010. Immunity. 33(1): 106-117.

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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