TECHNICAL DATA SHEET

Recombinant Human ENA-78 (8-78) (Carrier-Free)

Catalog Number: 21-9147

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Human ENA-78 (8-78) (Carrier-Free)

DESCRIPTION

ENA-78 is a CXC chemokine that signals through the CXCR2 receptor. It is expressed in monocytes, platelets, endothelial cells, and mast cells. ENA-78 is a chemoattractant for neutrophils. Three N-terminal truncated variants of human ENA-78; ENA 5-78, ENA 8-78, ENA 9-78, contain 74, 71, and 70 amino acid residues, respectively, possess increased biological activity. ENA-78 contains the four conserved cysteine residues present in CXC chemokines, and also contains the 'ELR' motif common to CXC chemokine that bind to the CXCR1 and CXCR2 receptors.

MOLECULAR MASS

Recombinant Human ENA-78 is a 7.8 kDa protein consisting of 71 amino acid residues.

AMINO ACID SEQUENCE

LRELRCVCLQ TTQGVHPKMI SNLQVFAIGP QCSKVEVVAS LKNGKEICLD PEAPFLKKVI QKILDGGNKE N

SOURCE	APPLICATIONS	PURITY	STORAGE
E. coli	Bioassay	98 %	-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

N/A

BIOACTIVITY

Determined by its ability to chemoattract human neutrophils using a concentration range of 10.0-100.0 ng/ml.

RESEARCH AREAS

Inflammation, Wound Healing, Angiogenesis/Cardiovascular, Chemotaxis

RECONSTITUTION

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

REFERENCES

Bajetto A, Pattarozzi A, Corsaro A, Barbieri F, Daga A, Bosio A, Gatti M, Pisaturo V, Sirito R, Florio T. Front Cell Neurosci. 2017 Oct 13;11:312. doi: 10.3389/fncel.2017.00312. Kim EJ, Kim YK, Kim S, Kim JE, Tian YD, Doh EJ, Lee DH, Chung JH. Br J Dermatol. 2017 Aug 27. doi: 10.1111/bjd.15907.