

TECHNICAL DATA SHEET

Recombinant Human CXCL13 (BCA-1) (Carrier-free)

Catalog Number: 21-7042

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Human CXCL13 (BCA-1) (Carrier-free)

DESCRIPTION

CXCL13 is a CXC chemokine family member that promotes the migration of B lymphocytes into the follicles. CXCL13 exerts its effects through binding to the CXCR5 receptor which is expressed on B lymphocytes and a subpopulation of T helper memory cells.

MOLECULAR MASS

Recombinant human BCA-1 is a 10.3 kDa protein containing 87 amino acid residues including the four highly conserved cysteine residues present in CXC chemokines.

AMINO ACID SEQUENCE

VLEVYYTSLR CRCVQESSVF IPRRFIDRIQ ILPRGNGCPR KEIIVWKKNK SIVCVDPQAE WIQRMMEVLR KRSSSTLPVP VFKRKIP

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

Human + Mouse

BIOACTIVITY

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

RESEARCH AREAS

Chemotaxis; Immune System; Wound Healing

RECONSTITUTION

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

REFERENCES

Gunn MD, Ngo VN, Ansel KM, Eklund EH, Cyster JG, Williams LT. 1998. Nature. 391(6669): 799-803. Legler DF, Loetscher M, Roos RS, Clark-Lewis I, Baggiolini M, Moser B. 1998. J Exp Med. 187(4): 655-660.

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