

TECHNICAL DATA SHEET

Recombinant Human CXCL4 (PF-4) (Carrier-free)

Catalog Number: 21-7035

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Human CXCL4 (PF-4) (Carrier-free)

DESCRIPTION

CXCL4 is a member of the CXC chemokine family that is also known as platelet factor-4 (PF-4). CXCL4 is released from the alpha-granules of activated platelets and is chemotactic for neutrophils, fibroblasts and monocytes.

MOLECULAR MASS

Recombinant human PF-4 is a 7.8 kDa protein containing 70 amino acid residues, including the four highly conserved residues present in CXC chemokines.

AMINO ACID SEQUENCE

EAEEDGDLQC LCVKTTSQVR PRHITSLEVI KAGPHCPTAQ LIATLKNRGRK ICLDLQAPLY KKIICKLLES

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

BIOACTIVITY

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

RESEARCH AREAS

Angiogenesis/Cardiovascular; Chemotaxis; Inflammation; Wound Healing

RECONSTITUTION

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

REFERENCES

Rabellino EM, Levene RB, Leung LL, Nachman RL. 1981. J Exp Med. 154(1): 88-100. Maione TE, Gray GS, Petro J, Hunt AJ, Donner AL, Bauer SI, Carson HF, Sharpe RJ. 1990. Science. 247(4938): 77-79. Scheuerer B, Ernst M, Dürrbaum-Landmann I, Fleischer J, Grage-Griebenow E, Brandt E, Flad HD, Petersen F. 2000. Blood. 95(4): 1158-1166.

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