

TECHNICAL DATA SHEET

Recombinant Human CXCL3 (GRO-gamma) (Carrier-free)

Catalog Number: 21-7033

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Human CXCL3 (GRO-gamma) (Carrier-free)

DESCRIPTION

CXCL3 is a member of the CXC chemokine family and is also known as GRO-gamma (MIP2-beta in mice). CXCL3 exerts its effects through binding to the CXCR2 receptor and controls migration and adhesion of monocytes.

MOLECULAR MASS

Recombinant human GRO-gamma is a 7.9 kDa protein consisting of 73 amino acids including the 'ELR' motif common to the CXC chemokine family that bind to CXCR1 or CXCR2.

AMINO ACID SEQUENCE

ASVVT₁ELRCQ₂ CLQTLQGIHL₃ KNIQSVN₄VRS₅ PGP₆HCAQTEV₇ IATL₈KNGKKA₉ CLNPASPMVQ₁₀ KII₁₁EKILNKG₁₂ STN₁₃

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 293 transfected CXCR2 cells using a concentration range of 10-100 ng/ml.

RESEARCH AREAS

Angiogenesis/Cardiovascular; Chemotaxis; Inflammation; Neurobiology; Wound Healing

RECONSTITUTION

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

REFERENCES

Haskill S, Peace A, Morris J, Sporn SA, Anisowicz A, Lee SW, Smith T, Martin G, Ralph P, Sager R. 1990. Proc Natl Acad Sci U S A. 87(19): 7732-7736.
 Keeley EC, Mehrad B, Strieter RM. 2011. Exp Cell Res. 317(5): 685-690.

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