

TECHNICAL DATA SHEET

# Recombinant Mouse CXCL2 (MIP-2) (Carrier-free)

Catalog Number: 21-7032

**RPx-Pro™ Recombinant Protein**

PRODUCT INFORMATION

**CONTENTS**

Recombinant Mouse CXCL2 (MIP-2) (Carrier-free)

**DESCRIPTION**

CXCL2 is a member of the CXC chemokine family and is also known as MIP2-alpha. CXCR2 is secreted by monocytes and macrophages and is chemotactic for polymorphonuclear leukocytes and hematopoietic stem cells. CXCL2 exerts its effects through binding to the CXCR2 receptor.

**MOLECULAR MASS**

Recombinant murine MIP-2 is a 7.8 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**

AVVASELRQC CLKTLPRVDF KNIQSLSVTP PGPHCAQTEV IATLKGGQKV CLDPEAPLVQ KIIQKILNKG KAN

**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 + Rat

**BIOACTIVITY**

Determined by its ability to chemoattract total human neutrophils using a concentration range of 1.0-10.0 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. De Plaen IG1, Han XB, Liu X, Hsueh W, Ghosh S, May MJ. 2006. Immunology. 118(2): 153-163.

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.

For Research Use Only.

Not for use in diagnostic or therapeutic procedures. Not for resale. Not for distribution without written consent. Tonbo Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Tonbo Biosciences, Tonbo Biosciences Logo and all other trademarks are the property of Tonbo Biotechnologies Corporation. © 2013 Tonbo Biosciences.