

**TECHNICAL DATA SHEET**

# Recombinant Mouse CXCL9 (MIG) (Carrier-free)

Catalog Number: 21-8291

**RPx-Pro™ Recombinant Protein**

**PRODUCT INFORMATION**

**CONTENTS**

Recombinant Mouse CXCL9 (MIG) (Carrier-free)

**DESCRIPTION**

MIG, or CXCL9, is a CXC chemokine induced by IFN gamma in monocytes, macrophages, and endothelial cells. MIG is closely related to CXCL10 (IP-10) and CXCL11 (I-TAC) that also signal through the CXCR3 receptor. MIG chemoattracts T cells, especially Th1 lymphocytes. Additionally, MIG inhibits tumor growth, angiogenesis, and colony formation of hematopoietic progenitors.

**MOLECULAR MASS**

Recombinant Mouse MIG is a 12.2 kDa protein composed of 105 amino acid residues.

**AMINO ACID SEQUENCE**

TLVIRNARCS CISTSRGTIH YKSLKDLKQF APSPNCNKTE IATLKNQDQ TCLDPDSANV KKLMEWEKK INQKKKQKRG  
KKHQKNMKNR KPKTPQSRRR SRKTT

**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, Human, Monkey

**BIOACTIVITY**

Measured in chemoattraction assays of human lymphocytes in a concentration range of 0.1-1.0 ng/ml.

**RESEARCH AREAS**

Angiogenesis/Cardiovascular; Chemotaxis; Immune System; Inflammation ; Wound Healing; Transplantation

**RECONSTITUTION**

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

**REFERENCES**

Tensen CP, J Flier, EM Van Der Raaij-Helmer, S Sampat-Sardjoepersad, RC Van Der Schors, R Leurs, RJ Scheper, DM Boorsma and R Willemze 1999 J Invest Dermatol 112: 716–722. Weng Y, SJ Siciliano, KE Waldburger, A Sirotna-Meisher, MJ Staruch, BL Daugherty, SL Gould, MS Springer and JA DeMartino 1998 J Biol Chem 273: 18288–18291. Farber JM 1990 Proc Natl Acad Sci USA 87: 5238–5242. Farber JM 1993 Biochem Biophys Res Commun 192: 223–230. Dwinell MB, N Lügering, L Eckmann and MF Kagnoff 2001 Gastroenterology 120: 49–59.

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