TECHNICAL DATA SHEET

Equivalent Performance, Exceptional Value

Recombinant Human CXCL9 (MIG) (Carrier-free)

Catalog Number: 21-8299

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Human CXCL9 (MIG) (Carrier-free)

DESCRIPTION

Monokine induced by gamma interferon, MIG, also known as chemokine (C-X-C motif) ligand 9, CXCL9. MIG is a T-cell chemoattractant belonging to the CXC chemokine family inducing effects through interaction with chemokine receptor CXCR3. Through interaction with activated CD4+ Th1 cells, CD8+ T cells, IL-2 activated T lymphocytes, and NK cells, MIG plays an important role in leukocyte traffiking.

MOLECULAR MASS

Recombinant Human MIG (CXCL9) is a 11.7 kDa protein composed of 103 amino acid residues.

AMINO ACID SEQUENCE

TPVVRKGRCS CISTNQGTIH LQSLKDLKQF APSPSCEKIE IIATLKNGVQ TCLNPDSADV KELIKKWEKQ VSQKKKQKNG KKHQKKKVLK VRKSQRSRQK KTT

SOURCE	APPLICATIONS	PURITY	STORAGE
E. Coli	Bioassay	98 %	-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

N/A

BIOACTIVITY

Determined by its ability to chemoattract human peripheral blood T lymphocytes using a concentration range of 10.0-100.0 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, Flier J, Van Der Raaij-Helmer EM, Sampat-Sardjoepersad S, Van Der Schors RC, Leurs R, Scheper RJ, Boorsma DM and Willemze R 1999 J Invest Dermatol 112(5): 716–22.Weng Y, SJ Siciliano, KE Waldburger, A Sirotina-Meisher, MJ Staruch, BL Daugherty, SL Gould, MS Springer and JA DeMartino 1998 J Biol Chem 273: 18288–18291.