TECHNICAL DATA SHEET

Recombinant Mouse CXCL16 (Carrier-Free)

Catalog Number: 21-9139

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Mouse CXCL16 (Carrier-Free)

DESCRIPTION

CXCL16 is a member of the CXC chemokine family and signals through the CXCR6 receptor. CXCL16 may play a role in attracting lymphocyte subsets during inflammation and may facilitate certain immune responses. The chemokine domain of CXCL16 contains six cysteine residues, including the four highly conserved cysteine residues characteristic of CXC chemokines. The CXCL16 gene codes for a 273 amino acid polypeptide, which includes a 29 amino acid cytoplasmic domain and transmembrane sequence containing approximately 20 amino acids.

MOLECULAR MASS

Recombinant Mouse CXCL16 is a 9.9 kDa protein containing 88 amino acid residues.

AMINO ACID SEQUENCE

NQGSVAGSCS CDRTISSGTQ IPQGTLDHIR KYLKAFHRCP FFIRFQLQSK SVCGGSQDQW VRELVDCFER KECGTGHGKS FHHQKHLP

SOURCE	APPLICATIONS	PURITY	STORAGE
E. coli	Bioassay	98 %	-20°C

PROTEIN CONTENT

Content Verified by UV Spectroscopy and/or SDS-PAGE gel.

ENDOTOXIN LEVEL

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

AUTHENTICITY

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

CROSS REACTIVITY

Mouse

BIOACTIVITY

Determined by its ability to chemoattract Mouse lymphocytes using a concentration of 20-1000 ng/ml.

RESEARCH AREAS

Immune System, Wound Healing, Chemotaxis, Inflammation

RECONSTITUTION

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

REFERENCES

Shimaoka, T. Critical Role for CXC Chemokine Ligand 16 (SR-PSOX) in Th1 Response Mediated by NKT Cells. 2007. The Journal of Immunology; 179 (12):8172-9. Matsumura, S. Radiation-induced CXCL16 release by breast cancer cells attracts effector T cells. 2008. The Journal of Immunology; 181 (5):3099-107.