

**TECHNICAL DATA SHEET**

# Recombinant Mouse CXCL11 (I-TAC) (Carrier-free)

Catalog Number: 21-7038

**RPx-Pro™ Recombinant Protein**

**PRODUCT INFORMATION**

**CONTENTS**

Recombinant Mouse CXCL11 (I-TAC) (Carrier-free)

**DESCRIPTION**

CXCL11 is a member of the CXC chemokine family and is a strong chemoattractant for activated T cells. CXCL11 exerts its effect through binding to the CXCR3 receptor.

**MOLECULAR MASS**

Recombinant murine I-TAC is a 9.0 kDa protein containing 79 amino acid residues including the four highly conserved cysteine residues present in CXC chemokines.

**AMINO ACID SEQUENCE**

FLMFKQGRCL CIGPGMKAVK MAEIEKASVI YPSNGCDKVE VIVTMKAHKR QRCLDPRSKQ ARLIMQAIEK KNFLRRQNM

**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

**BIOACTIVITY**

Determined by its ability to chemoattract murine CXCR3 transfected HEK/293 cells using a concentration range of 10.0-100.0 ng/ml.

**RESEARCH AREAS**

Chemotaxis; Immune System; Wound Healing

**RECONSTITUTION**

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

**REFERENCES**

Erdel M, Laich A, Utermann G, Werner ER, Werner-Felmayer G. 1998. Cytogenet Cell Genet. 81(3-4): 271-272. Cole KE, Strick CA, Paradis TJ, Osborne KT, Loetscher M, Gladue RP, Lin W, Boyd JG, Moser B, Wood DE, Sahagan BG, Neote K. 1998. J Exp Med. 187(12): 2009-2021. Burns JM1, Summers BC, Wang Y, Melikian A, Berahovich R, Miao Z, Penfold ME, Sunshine MJ, Littman DR, Kuo CJ, Wei K, McMaster BE, Wright K, Howard MC, Schall TJ. 2006. J Exp Med. 203(9): 2201-2213.

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