

TECHNICAL DATA SHEET

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

Catalog Number: 21-7039

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

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Recombinant Human 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 human I-TAC is an 8.3 kDa protein containing 73 amino acid residues including the four highly conserved cysteine residues present in CXC chemokines.

AMINO ACID SEQUENCE

FPMFKRGRCL CIGPGVKAVK VADIEKASIM YPSNNCDKIE VIITLKENKG QRCLNPKSKQ ARLIIKKVER KNF

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, Hamster, Mouse, Rabbit

BIOACTIVITY

Determined by its ability to chemoattract IL-2 activated T-cells using a concentration range of 0.1-10.0 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, Ogborne 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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