

TECHNICAL DATA SHEET

Recombinant Human CXCL16 (Carrier-free)

Catalog Number: 21-7045

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

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Recombinant Human CXCL16 (Carrier-free)

DESCRIPTION

CXCL16 is a member of the CXC chemokine family whose expression is induced by the inflammatory cytokines IFN-gamma and TNF-alpha. CXCL16 is expressed as either a membrane bound form or a soluble form and exerts its effects through binding to the CXCR6 receptor.

MOLECULAR MASS

Recombinant human CXCL16 is a 10.1 kDa protein containing 89 amino acid residues.

AMINO ACID SEQUENCE

NEGSVTGSCY CGKRISDSP PSVQFMNRLR KHLRAYHRCL YYTRFQLLSW SVCGGNKDPW VQELMSCLDL KECGHAYSGI VAHQKHLLP

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

BIOACTIVITY

Determined by it's ability to chemoattract activated lymphocytes using a concentration of 1.0-100.0 ng/ml.

RESEARCH AREAS

Chemotaxis; Immune System; Inflammation; Wound Healing

RECONSTITUTION

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

REFERENCES

Matloubian M, David A, Engel S, Ryan JE, Cyster JG. 2000. Nat Immunol. 1(4): 298-304. Abel S, Hundhausen C, Mentlein R, Schulte A, Berkhout TA, Broadway N, Hartmann D, Sedlacek R, Dietrich S, Muetze B, Schuster B, Kallen KJ, Saftig P, Rose-John S, Ludwig A. 2004. J Immunol. 172(10): 6362-6372. Hundhausen C, Schulte A, Schulz B, Andrzejewski MG, Schwarz N, von Hundelshausen P, Winter U, Paliga K, Reiss K, Saftig P, Weber C, Ludwig A. 2007. J Immunol. 178(12): 8064-8072.

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