

TECHNICAL DATA SHEET

# Recombinant Human CCL1 (I-309)

Catalog Number: 21-8151

## RPx-Pro™ Recombinant Protein PRODUCT INFORMATION

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Recombinant Human CCL1 (I-309)

### DESCRIPTION

Human I-309 (CCL1) is secreted by activated T lymphocytes and acts as primarily a monokine chemoattractant. I-309 is structurally and functionally a CC chemokine acting upon monocytes but also appears to have protective antiapoptotic effects on T cell lymphomas. I309 binds to the CCR8 receptor.

### MOLECULAR MASS

Recombinant Human I-309 is a 8.5 kDa protein containing 74 amino acid residues.

### AMINO ACID SEQUENCE

SKSMQVPFSR CCFSAEQEI PLRAILCYRN TSSICSNEGL IFKLKRGKEA CALDTVGVWVQ RHRKMLRHCP SKRK

### SOURCE

E. Coli

### PROTEIN CONTENT

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

### PURITY

98 %

### 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 total human T cell population using a concentration range of 10.0-100.0 ng/ml.

### APPLICATIONS

Bioassay

### RESEARCH AREAS

Chemotaxis; Immune System; Neurobiology; Wound Healing

### STORAGE

-20°C

### RECONSTITUTION

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

### REFERENCES

Tiffany, HL, LL Lautens, J-L Gao, J Pease, M Locati, C Combadiere, W Modi, TL Bonner and PM Murphy 1997 JEM 186: 165-170 2. Inngjerdingen, M B Damaj and A Maghazachi 2000 J Immunol 164: 4048-40543. Zingoni, A, H Soto, JA. Hedrick, A Stoppocciaro, CT Storlazzi, F Sinigaglia, D D'Ambrosio, AO'Garra, D Robinson, M Rocchi, et al. 1998 J. Immunol. 161:547 4. Horuk, R, J Heselgesser, YZhou, D Faulds, M Halk-Miller, S Harvey, D Taub, M Samson, M Parmentier, J Rucker, et al. 1998. J. Biol. Chem. 273:386

NOTE: Please choose the appropriate format for each application. Citations are provided as a convenience to you; please consult Materials and Methods sections for additional details about the use of any product in these publications.

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