

TECHNICAL DATA SHEET

Recombinant Human LAG-1 (CCL4L1) (Carrier-Free)

Catalog Number: 21-9168

RPx-Pro™ Recombinant Protein
PRODUCT INFORMATION

CONTENTS

Recombinant Human LAG-1 (CCL4L1) (Carrier-Free)

DESCRIPTION

LAG-1 is CC chemokine that signals through the CCR5 receptor. LAG-1 is identical to MIP-1beta (ACT II isotype) except for two amino acid substitutions; arginine for histidine at position 22 and serine for glycine at position 47 of the mature protein. LAG-1 chemoattracts monocytes, and exhibits activity as an HIV-suppressive factor.

MOLECULAR MASS

Recombinant Human LAG-1 is a 7.7 kDa protein containing 69 amino acid residues.

AMINO ACID SEQUENCE

APMGSDPPTA CCFSTARKL PRNFVVDYIE TSSLCSQPAV VFQTKRSKQV CADPSESWWQ EYVYDLELN

SOURCE

E. coli

APPLICATIONS

Bioassay

PURITY

98 %

STORAGE

-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

N/A

BIOACTIVITY

Determined by its ability to chemoattract CCR5-transfected cells using a concentration of 0.1-10.0 ng/ml

RESEARCH AREAS

AIDS/HIV, Wound Healing, Chemotaxis

RECONSTITUTION

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

REFERENCES

Yamamoto H, Fara AF, Dasgupta P, Kemper C. Int J Biochem Cell Biol. 2013 Dec;45(12):2808-20. doi: 10.1016/j.biocel.2013.09.016. Geisler T, Fekecs L, Wurster T, Chiribiri A, Schuster A, Nagel E, Miller S, Gawaz M, Stellos K, Bigalke B. Eur J Radiol. 2012 Apr;81(4):e486-90. doi: 10.1016/j.ejrad.2011.06.019.

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