
Product Data Sheet

Product Name: LAG-1 Human
 Cat. No.: GP21144
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	C-C motif chemokine 4-like; Lymphocyte activation gene 1 protein; LAG-1; Macrophage inflammatory protein 1-beta; MIP-1-beta; Monocyte adherence-induced protein 5-alpha; Small-inducible cytokine A4-like; CCL4L1; CCL4L; LAG1; SCYA4L1; CCL4L2; SCYA4L2; AT744.2.		
Amino Acid Sequence	APMGSDPPTA CCFSYTARKL PRNFVVDYEE TSSLCSQPAV VFQTKRGKQV CADPSESWVQ EYVYDLELN.		
Solubility	It is recommended to reconstitute the lyophilized LAG-1 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	LAG-1 was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.		

Introduction

CCL4L1 (C-C motif chemokine 4-like) is a member of the intercrine beta (chemokine CC) family. The CCL4L1 protein is similar to CCL4 which inhibits HIV replication in peripheral blood monocytes which express CCR5.

Biological Activity

The ED50 as determined by a cell proliferation assay using human CCR5 transfected murine BaF3 cells is less than 2.0 ng/ml, corresponding to a specific activity of $> 5.0 \times 10^5$ IU/mg.

Stability

Lyophilized LAG-1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CCL4L1 should be stored at 4°C between 2-

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7 days and for future use below -18°C .Please prevent freeze-thaw cycles.

Background

LAG-1 Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 69 amino acids and having a molecular mass of 7.8kDa.The CCL4L1 is purified by proprietary chromatographic techniques.

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