

LAG-1 Human Recombinant (CCL4L1)

Item Number	rAP-0218
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
Description	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.
Uniprot Accession Number	Q8NHW4
Amino Acid Sequence	APMGSDPPTA CCFSYTARKL PRNFVVDYIE TSSLCSQPAV VFQTKRGKQV CADPSESVMQ EY-VYDLELN.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
Formulation and Purity	LAG-1 was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4. Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized LAG-1 in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ 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 × 10 ⁵ IU/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**