

Recombinant Human Lymphocyte Activation Gene 1 Protein/CCL4L1 (Human LAG-1/CCL4L1)

Product Information

Product Name	Cat#	Size
Recombinant Human Lymphocyte Activation Gene 1 Protein/CCL4L1 (Human LAG-1/CCL4L1)	90953ES08	5 µg
	90953ES60	100 µg
	90953ES76	500 µg

Product Description

LAG-1 is CC chemokine that signals through the CCR5 receptor. LAG-1 is identical to MIP-1β (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.

Product Properties

Synonyms	CCL4L1
Accession	Q8NHW4
GeneID	388372
Source	E.coli-derived Human CCL4L1 protein, Ala24-Asn92.
Molecular Weight	Approximately 7.8 kDa
AA Sequence	APMGSDPPTA CCFSYTARKL PRNFVVDYYE TSSLCSQPAV VFQTKRGKQV CADPSES WVQ EYVYDLELN
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 97% by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. 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.
Endotoxin	<0.1 EU/µg of protein as determined by LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.

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2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.