

# Recombinant Mouse LAG-3/CD223 Protein

Catalog No.: RP01327 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	16768	Q61790

### Tags

C-His

### Synonyms

LAG3;CD223;FDC;Ly66;LAG3

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
46.18 kDa	55-65 kDa

### Endotoxin

&lt; 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

LAG3 (Lymphocyte Activating 3), also known as CD223 and Lymphocyte activation gene 3, belongs to the immunoglobulin (Ig) superfamily, is a protein-coding gene. 2 alternatively spliced human isoforms have been reported. The LAG3 gene contains 8 exons. It is selectively expressed in activated T and NK cells. LAG3 contains 4 extracellular Ig-like domains and has a negative regulatory function in T cells. It also acts as a new marker of T cell-induced B cell activation. As a soluble molecule, LAG3 activates antigen-presenting cells through MHC class II signaling, leading to increased antigen-specific T-cell responses in vivo. Diseases associated with LAG3 include Smoldering Myeloma and Kyphoscoliotic Heart Disease.

## Basic Information

### Description

Recombinant Mouse LAG-3/CD223 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly24-Leu442) of Mouse LAG3 (Accession #NP\_032505.1) fused with an 6×His tag at the C-terminus.

### Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Mouse LAG3 (Catalog: RP01327) at 1 μg/mL (100 μL/well) can bind LAG3 Rabbit pAb with a linear range of 0.06-1.2ng/mL.

### Storage

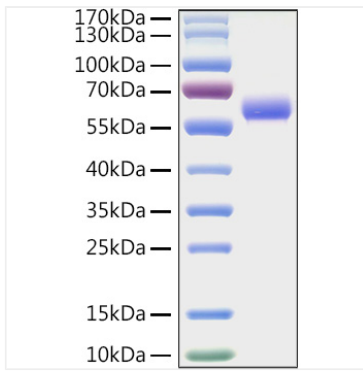
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Mouse LAG-3/CD223 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 55-65kDa.