

# Biotinylated Recombinant Human LAG-3/CD223 Protein

Catalog No.: RP02553B **Recombinant**

## Sequence Information

**Species** Human **Gene ID** 3902 **Swiss Prot** P18627-1

**Tags**  
C-His&Avi

### Synonyms

CD223; FDC; LAG3; LAG-3; sLAG-3

## Background

LAG-3, is a protein which in humans is encoded by the LAG3 gene, which is a cell surface molecule with diverse biologic effects on T cell function. It is an immune checkpoint receptor and as such is the target of various drug development programs by pharmaceutical companies seeking to develop new treatments for cancer and autoimmune disorders.

## Basic Information

### Description

Biotinylated Recombinant Human LAG-3/CD223 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Leu23-Gly434) of Human LAG-3/CD223 fused with a His and Avi tag at the C-terminal.

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### 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.

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

## Product Information

### Source

HEK293 cells

### Purification

≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

### Calculated MW

47.3 kDa

### Observed MW

55-65 kDa

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

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

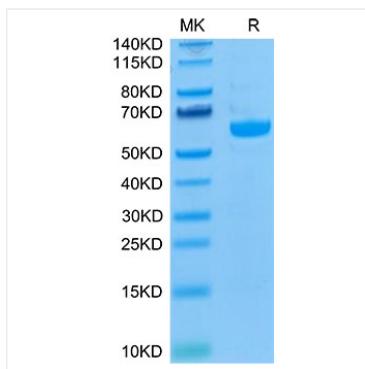
### Reconstitution

Centrifuge the tube 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.

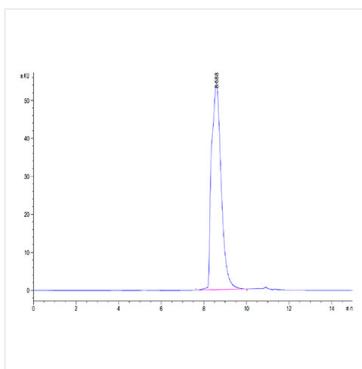
## Contact

	400-999-6126
	cn.market@abclonal.com.cn
	<a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>

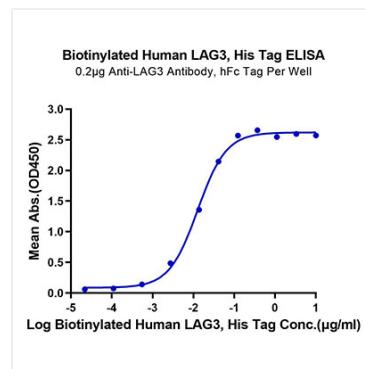
## Validation Data



Biotinylated Recombinant Human LAG-3/CD223 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human LAG3 is greater than 95% as determined by SEC-HPLC.



Immobilized Anti-LAG3 Antibody, hFc Tag at 2 $\mu$ g/ml (100 $\mu$ l/well) on the plate. Dose response curve for Biotinylated Human LAG3, His Tag with the EC<sub>50</sub> of 12.7ng/ml determined by ELISA.