

# **Recombinant Human LAG-3/CD223 Protein**

Catalog No.: RP00193 Recombinant

### **Sequence Information**

Species Gene ID Swiss Prot Human 3902 P18627-1

Tags

C-His

Synonyms LAG3;CD223

### **Product Information**

Source

Purification ≥ 95 % as

HEK293 cells ≥ 95 % as determined by SDS-

PAGE.

Calculated MW Observed MW

47.02 kDa 60 kDa

#### **Endotoxin**

< 0.1 EU/ $\mu$ g of the protein by LAL method.

### **Formulation**

Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

### 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 stablizer (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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|-----------|---------------------------|
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### Background

### **Basic Information**

#### **Description**

Recombinant Human LAG-3/CD223 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Leu23-Leu450) of human LAG-3/CD223 (Accession  $\#NP_002277.4$ ) fused with a  $6\times His$  tag at the C-terminus.

### **Bio-Activity**

1.Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human LAG3 at 2  $\mu$ g/mL (100  $\mu$ L/well) can bind Anti-LAG3 antibody with a linear range of 13-40 ng/mL.|2.Measured by its binding ability in a functional ELISA. Immobilized Human FGL1 at 5  $\mu$ g/mL (100  $\mu$ L/well) can bind recombinant Human LAG3, the EC $_{50}$  of Human LAG3 is 0.32  $\mu$ g/mL.

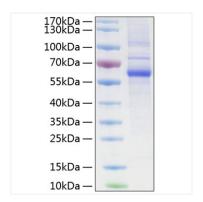
#### Storage

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

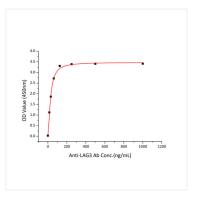
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

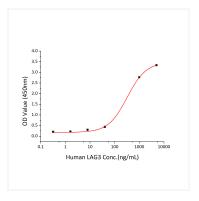
## **Validation Data**



Recombinant Human LAG-3/CD223 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Immobilized Recombinant Human LAG3 at  $2\mu g/mL$  (100  $\mu L/well$ ) can bind Anti-LAG3 antibody with a linear range of 13-40 ng/mL.



Immobilized Recombinant Human FGL1 at 5  $\mu$ g/mL (100  $\mu$ L/well) can bind recombinant Human LAG3, the EC<sub>50</sub> of Human LAG3 is 0.32  $\mu$ g/mL.