

# 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
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
47.02 kDa	60 kDa

### Endotoxin

< 0.1 EU/μg 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 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

### 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×His tag at the C-terminus.

#### Bio-Activity

1. Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human LAG3 at 2 μg/mL (100 μL/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 μg/mL (100 μL/well) can bind recombinant Human LAG3, the EC<sub>50</sub> of Human LAG3 is 0.32 μg/mL.

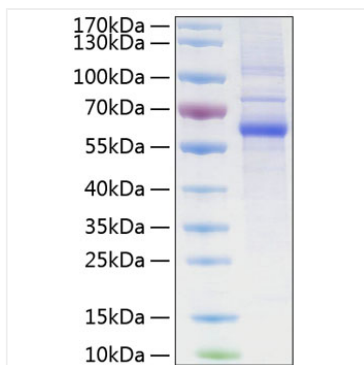
#### Storage

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

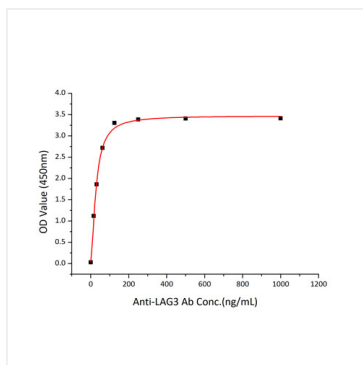
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

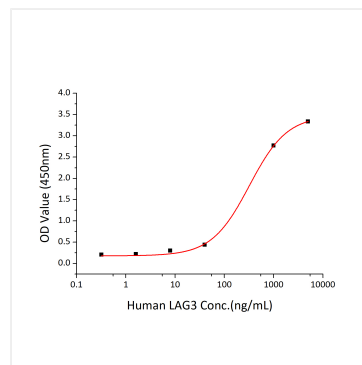
## Validation Data



Recombinant Human LAG-3/CD223 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 60kDa.



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.