

# Biotinylated Recombinant Human NKG2-2A/KLRC1/CD159a Protein

Catalog No.: RP02454B **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	3821	P26715

### Tags

N-His&Avi

### Synonyms

KLRC1;CD159A;NKG2;NKG2A

## Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE

### 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

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## Background

NKG2, also known as NKG2A(CD159A), is a member of the killer cell lectin-like receptor family. NKG2A marks a unique immune effector subset preferentially co-expressing the tissue-resident CD103 molecule, but not immune checkpoint inhibitors. It is expressed only in NK-cells, but not in T-cells or B-cells.

## Basic Information

### Description

Biotinylated Recombinant Human NKG2-2A/KLRC1/CD159a Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Arg100-Leu233) of Human NKG2-2A fused with a His tag and Avi tag at the N-terminal.

### Bio-Activity

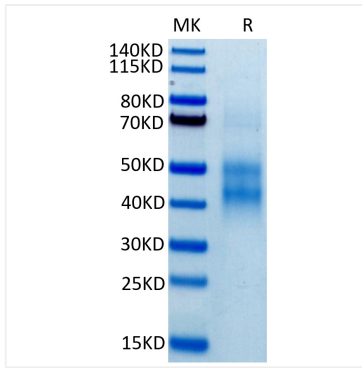
### Storage

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

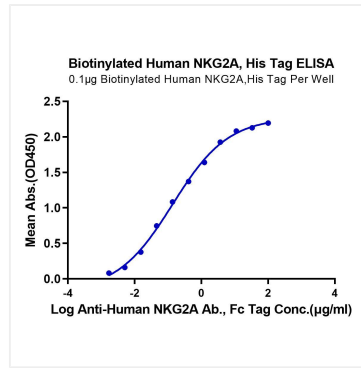
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## Validation Data



Biotinylated Human NKG2A / CD159a on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



Immobilized Biotinylated Human NKG2A / CD159a, His Tag at 1µg/ml (100 µl/well) on streptavidin precoated (5µg/well) plate, can bind NKG2A Ab., with the  $EC_{50}$  of 0.14µg/ml determined by ELISA.