

For Research Use Only

# Recombinant Human NKG2A protein (rFc Tag)



Catalog Number: Eg2571

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE

**Endotoxin Level:**  
<0.1 EU/  $\mu$ g protein, LAL method

**Source:**  
HEK293-derived Human NKG2A protein Pro94-Leu233 (Accession# P26715-1) with a rabbit IgG Fc tag at the N-terminus.

**GeneID:**  
3821

**Accession:**  
P26715-1

**Predicted Molecular Mass:**  
43.2 kDa

**SDS-PAGE:**  
50-68 kDa, reducing (R) conditions

**Formulation:**  
Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

### Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

### Shipping:

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

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

NKG2A, also known as CD159A, is a single-pass type II membrane protein with extracellular C-type lectin domain. It belongs to the natural killer cell lectin-like receptor family, which is a group of transmembrane proteins preferentially expressed in NK cells. NKG2A can form a heterodimer with CD94. The NKG2A/CD94 complex is an inhibitory receptor that recognizes HLA-E and is expressed by NK cells and a subset of T cells.

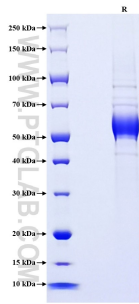
## References

1. Chao Zhang, et al. (2019). Nature Communications. volume 10, Article number: 1507.
2. Brett K. Kaiser, et al. (2008). Proc Natl Acad Sci U S A.105(18):6696-701.

## Synonyms

KLRC1, CD159 antigen-like family member A, CD159A, NK cell receptor A, NKG2

## Selected Validation Data



Purity of Recombinant Human NKG2A was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

T: 027-87531629

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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