

For Research Use Only

# Recombinant Human NKG2C/CD159c protein (rFc Tag)



Catalog Number: Eg1953

## Basic Information

**Species:**  
Human

**Purity:**  
>85 %, SDS-PAGE

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**  
>85 %, SDS-PAGE

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

**Source:**  
HEK293-derived Human NKG2C protein Ile94-Leu231 (Accession# P26717) with a rabbit IgG Fc tag at the N-terminus.

**GeneID:**  
3822

**Accession:**  
P26717

**Predicted Molecular Mass:**  
43.0 kDa

**SDS-PAGE:**  
47-60 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

The NKG2C is a heterodimeric receptor, consisted of two type II proteins and is a member of the C-type lectin-like family. Similar to the other activating NKG2 receptors, the NKG2C has a negatively charged residue (either a lysine or an arginine) in its transmembrane domain. NKG2C is an activating receptor that recognizes HLA-E in complex with leader sequence peptides. The gene encoding NKG2C (killer-cell lectin-like receptor C2, KLRC2) is present at different copy numbers in the genomes of different individuals.

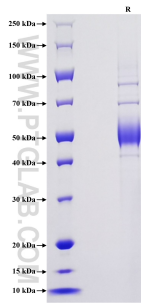
## References

1. Siemaszko, Jagoda et al. *Archivum immunologiae et therapeuticae experimentalis* vol. 71,1 9. 10 Mar. 2023.
2. Cao, Kai et al. *Frontiers in immunology* vol. 9 2444. 23 Oct. 2018.

## Synonyms

KLRC2, CD159c, NK cell receptor C, NKG2 C, NKG2 C activating NK receptor

## Selected Validation Data



Purity of Recombinant Human NKG2C 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

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