

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/μg 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 μm 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

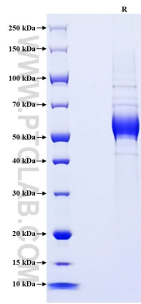
For technical support and original validation data for this product please contact

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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.