

For Research Use Only

Recombinant Human NCR3/NKp30 protein (rFc Tag)(HPLC verified)

Catalog Number: Eg2635



Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
HEK293-derived Human NCR3 protein Leu19-Gly135 (Accession# O14931-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
259197

Accession:
O14931-1

Predicted Molecular Mass:
38.4 kDa

SDS-PAGE:
41-55 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

NCR3 (natural cytotoxicity triggering receptor 3) is part of the natural cytotoxicity receptors (NCRs), which play a crucial role in the immune system, particularly in the function of natural killer (NK) cells. NCR3 is a cell membrane receptor of NK cells that is activated by binding of extracellular ligands, including BAG6 and NCR3LG1. NCR3 is involved in the immune response by facilitating the lysis of tumor cells. It interacts with the T-cell receptor CD3-zeta (CD247).

References

1. Barrow AD, et al. (2019) Front Immunol. May 7;10:909.
2. Koch J, et al. (2013) Trends Immunol. Apr;34(4):182-91.
3. Hudspeth K, et al. (2013) Front Immunol. Mar 20;4:69.

Synonyms

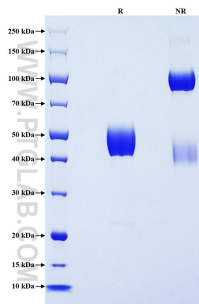
NCR3, 1C7, CD337, LY117, MALS

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

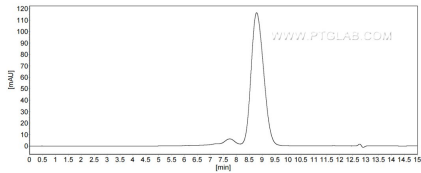
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Selected Validation Data



Purity of Recombinant Human NCR3 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Human NCR3 was greater than 90% as determined by SEC-HPLC.