

**Synonym**

NCR1,LY94,CD335,NK-p46,hNKp46

**Source**

Cynomolgus NKp46, His Tag(NC1-C52H4) is expressed from human 293 cells (HEK293). It contains AA Pro 22 - Arg 257 (Accession # [Q95JB9-1](#)).

Predicted N-terminus: Pro 22

**Molecular Characterization**
**NKp46(Pro 22 - Arg 257)**  
**Q95JB9-1**
**Poly-his**

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 28.6 kDa. The protein migrates as 34-40 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

**Endotoxin**Less than 1.0 EU per  $\mu$ g by the LAL method / rFC method.**Purity**

&gt;90% as determined by SDS-PAGE.

**Formulation**

Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

**Reconstitution**

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

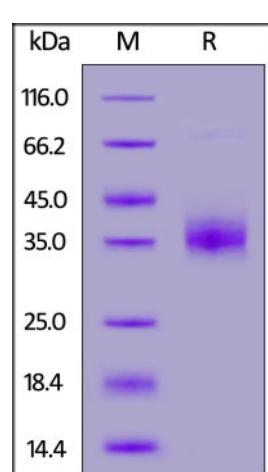
**Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

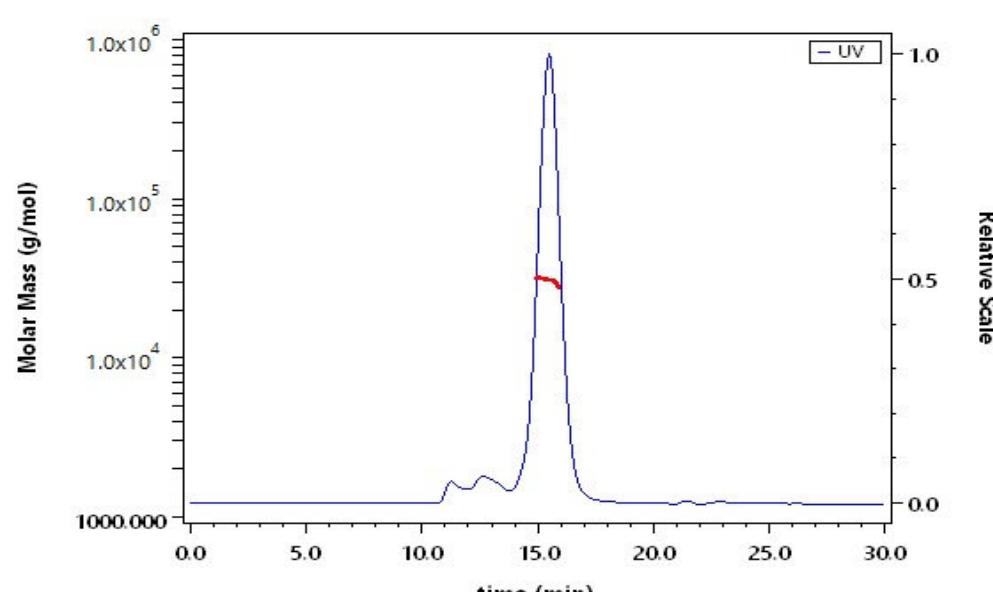
*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

**SDS-PAGE**

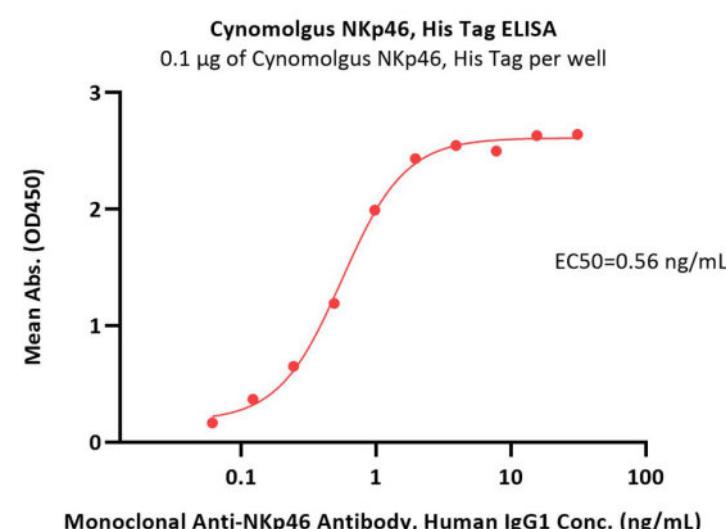
Cynomolgus NKp46, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%.

**SEC-MALS**

The purity of Cynomolgus NKp46, His Tag (Cat. No. NC1-C52H4) is more than 85% and the molecular weight of this protein is around 28-42 kDa verified by SEC-MALS.

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Immobilized Cynomolgus NKp46, His Tag (Cat. No. NC1-C52H4) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-NKp46 Antibody, Human IgG1 with a linear range of 0.1-1 ng/mL (QC tested).

## Background

Natural cytotoxicity triggering receptor 1 (NCR1) is also known as Natural killer cell p46-related protein (NK-p46), Lymphocyte antigen 94 homolog (LY94), CD antigen CD335, which belongs to the natural cytotoxicity receptor (NCR) family. NCR1 contains two Ig-like (immunoglobulin-like) domains. NCR1 interacts with CD247 and FCER1G. NCR1 / CD335 may contribute to the increased efficiency of activated natural killer (NK) cells to mediate tumor cell lysis.

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