

Recombinant Human NKp46/NCR1/CD335 Protein

Catalog No.: RP02739 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	9437	AAH64806.1

Tags

N-His

Synonyms

CD335; Ly94; NCR1; NKp46; MAR-1;
NKP46FLJ99094

Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Calculated MW	Observed MW
27.5 kDa	38-48 kDa

Endotoxin

Less than 1EU per µg by the LAL method.

Formulation


Reconstitution

Centrifuge the tube before opening.
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

NKp46, along with NKp30 and NKp44, are activating receptors that have been collectively termed the natural cytotoxicity receptors (NCR). These receptors lack significant sequence homology to one another. They are expressed almost exclusively by NK cells and play a major role in triggering some of the key lytic activities of NK cells.

Basic Information

Description

Recombinant Human NKp46/NCR1/CD335 Protein is expressed from Expi293 with His tag at the N-terminal. It contains Gln22-Asn254.

Bio-Activity

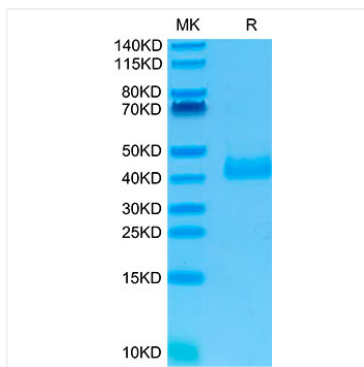
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

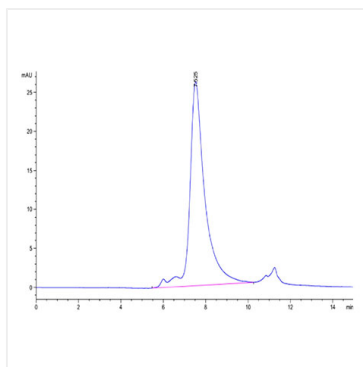
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

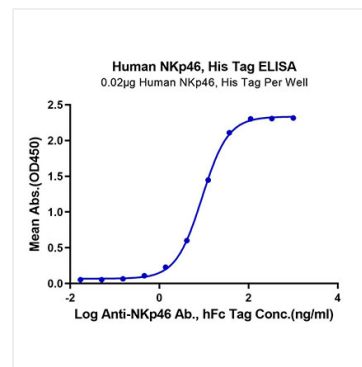
Validation Data



Human NKp46 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Human NKp46 is greater than 95% as determined by SEC-HPLC.



Immobilized Human NKp46, His Tag at 0.2µg/ml (100µl/Well). Dose response curve for Anti-NKp46 Ab., hFc Tag with the EC₅₀ of 9ng/ml determined by ELISA.