Recombinant Human NKp46/NCR1/CD335 Protein

Catalog No.: RP00347

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Sequence Information

Species
Human

Gene ID
9437

Swiss Prot
O76036-1

Tags
C-hFc

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

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by HPLC.

Calculated MW
53.2 kDa

Observed MW
68-70 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution
Centrifuge the vial 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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 produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln22-Asn255) of Human NKp46/NCR1/CD335 (Accession #O76036-1) fused with a C-hFc tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

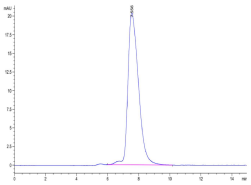
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

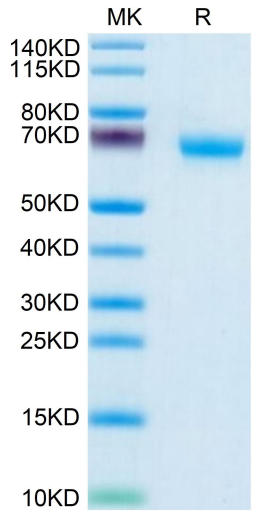
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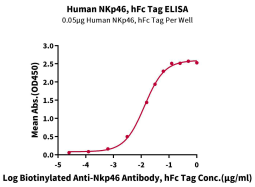
Validation Data



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



Recombinant Human NKp46/NCR1/CD335 Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Human NKp46, hFc Tag at 0.5 μg/mL (100 μL/well) on the plate. Dose response curve for Biotinylated Anti-Nkp46 Antibody, hFc Tag with the EC_{50} of 13.1 ng/mL determined by ELISA.