

Recombinant Mouse NKp46/NCR1/CD335 Protein

Catalog No.: RP01525

Sequence Information

Species	Gene ID
Mouse	17086
Swiss Prot	Tags
Q8C567	C-Rabbit Fc

Synonyms

Ly94, NKp46, Ncr1

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW/Observed MW

52.78 kDa 70–80 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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

Background

NCR1, also known as NK-p46 and CD335, is a natural cytotoxicity receptor (NCR). NCRs are type I transmembrane proteins with 1–2 extracellular immunoglobulin domains, a transmembrane domain containing a positively charged amino acid residue, and a short cytoplasmic tail. All are expressed almost exclusively by NK cells and play a major role in triggering NK-mediated killing of most tumor cell lines. NKp46 has two extracellular Ig-like domains followed by a ~40 residue stalk region, a type I transmembrane domain, and a short cytoplasmic tail. NKp46 has been implicated in NK cell-mediated lysis of several autologous tumor cells, pathogen-infected cell lines, and mononuclear phagocytes infected with an intracellular bacterium.

Basic Information

Description

Recombinant Mouse NKp46/NCR1/CD335 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln17–Asn255) of mouse NCR1/CD335 (Accession #NP_034876.2) fused with a rFc 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°C

Operational Notes

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

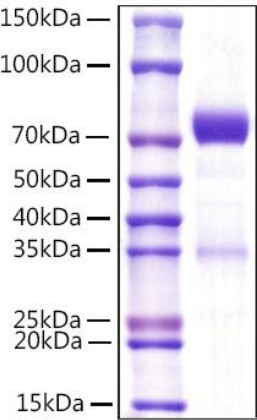
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Validation Data



Recombinant Mouse NKp46/NCR1/CD335 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.