

Recombinant Mouse NKG2-D/KLRK1/CD314 Protein

Catalog No.: RP02720 Recombinant

Sequence Information

Species Gene ID Swiss ProtMouse 27007 054709-1

Tags N-hFc

Synonyms

CD314; D12S2489E; KLR; NKG2-D; NKG2D

Product Information

Source

Purification

HEK293 cells

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

Calculated MW Observed MW

42.38 kDa 50-60 kDa

Endotoxin

< 0.1 EU/ μg of the protein by 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 stablizer (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

NKG2D is a type II transmembrane glycoprotein having an extracellular lectin-like domain. This domain lacks the recognizable calcium-binding sites found in true C-type lectins and binds protein rather than carbohydrate ligands. Human NKG2D is expressed on CD8 alpha beta T cells, gamma δ T cells, NK cells and NKT cells.

Basic Information

Description

Recombinant Mouse NKG2-D/KLRK1/CD314 Protein is expressed by HEK293 cells expression system. The target protein is expressed with sequence Phe90-Val232 of NKG2D/CD314 (Accession $\#NP_149069.1$) fused with a hFc at the N-terminus

Bio-Activity

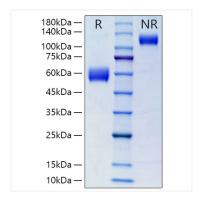
Storage

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

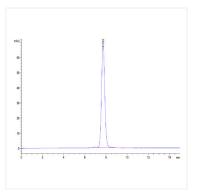
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Mouse NKG2-D/KLRK1/CD314 Protein was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



The purity of Mouse NKG2D is greater than 95% as determined by SEC-HPLC.