

Recombinant Mouse NKG2-D/KLRK1/CD314 Protein

Catalog No.: RP02720

Sequence Information

Species	Gene ID
Mouse	27007
Swiss Prot	Tags
O54709-1	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 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

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

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.

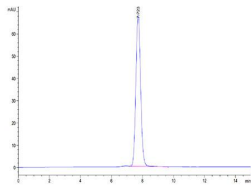
Contact

☎ | 400-999-6126

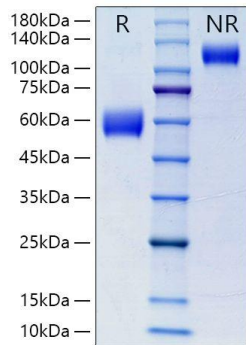
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Validation Data



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



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