

Human NKG2D / CD314 (Fc Tag) recombinant protein



Catalog Number: 501898

General Information

Gene Name Synonym

Protein KLRC4-KLRK1

Protein Construction

A DNA sequence encoding the human NKG2D (NP_031386.2) (Phe78-Val216) was expressed with the Fc region of human IgG1 at the N-terminus.

Organism

Human

Expression Host

CHO Stable Cells

QC Testing

Activity

Immobilized human ULBP1-His (Cat:503370) at 10 µg/ml (100 µl/well) can bind human S4-Fc3L3-NKG2D, The EC₅₀ of human S4-Fc3L3-NKG2D is 0.39-0.91 µg/ml.

Purity

(81.4±13.9) % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met

Molecular Mass

The recombinant human NKG2D/Fc comprises 418 amino acids and has a predicted molecular mass of 46.5 kDa. The apparent molecular mass of the protein is approximately 50-64 and 37 kDa in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

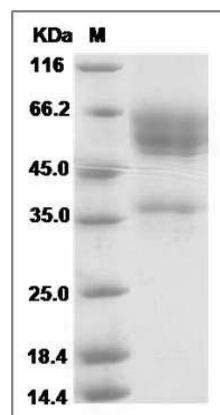
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



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SDS-PAGE