

Human NKG2D / CD314 (aa 78-216, His Tag) recombinant protein



Catalog Number: 504733

General Information

Protein Construction

A DNA sequence encoding the human NKG2D (Phe78-Val216) was fused with a polyhistidine tag at the N-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

1. Immobilized human His-NKG2D (78-216) at 10 $\mu\text{g/ml}$ (100 $\mu\text{l/well}$) can bind human ULBP1-Fch (Cat:502650), The EC_{50} of human ULBP1-Fch (Cat:502650) is 0.04-0.08 $\mu\text{g/ml}$.
2. Immobilized human His-NKG2D (78-216) at 10 $\mu\text{g/ml}$ (100 $\mu\text{l/well}$) can bind human MICB-Fch (Cat:503201), The EC_{50} of human MICB-Fch (Cat:503201) is 15.9-37.1 ng/ml .

Purity

> 90 % 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

His

Molecular Mass

The recombinant human NKG2D consists of 157 amino acids and has a calculated molecular mass of 18.4 kDa.

Formulation

- Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0, 10% gly
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
 2. Please contact us for any concerns or special requirements.

Usage Guide

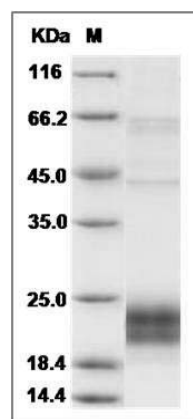
Storage

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



Human NKG2D / CD314 Protein (aa 78-216, His Tag) SDS-PAGE