

## Mouse NKG2D, His Tag, CHO

<b>Catalog Number</b>	LDG021PMM
<b>Package</b>	5 µg / 20 µg / 100 µg / Customized package

For full product information, images and publications, please visit [our website](#).



### Specifications

#### Species of Origin

Mouse

#### Affinity Tag

His Tag (N-term)

#### Purity

>95% as determined by SDS-PAGE analysis.

#### Endotoxin level

<0.1 EU per 1 µg of the protein by the LAL method.

#### Form

Lyophilized

#### Expression system

CHO

#### Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

#### Molecular weight

The protein has a calculated MW of 17.23 kDa.  
The protein migrates as 24-32 kDa under reducing condition (SDS-PAGE analysis).

#### Mycoplasma

Not detected

### Background

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### Background

NKG2D (Natural Killer Group 2D) protein is a receptor expressed on natural killer cells, T cells, and other immune cells. It recognizes stress-induced ligands expressed on infected or transformed cells, such as MICA and MICB in humans. Upon ligand binding, NKG2D triggers cytotoxicity and cytokine release, promoting immune responses against infected or cancerous cells. NKG2D signaling plays a crucial role in immune surveillance and tumor immunity. Dysregulation of NKG2D-mediated pathways is implicated in autoimmune diseases and cancer immune evasion. Understanding NKG2D's functions provides insights into immune regulation and potential therapeutic interventions for cancer and autoimmune disorders.

### Uniprot ID

Q4FJM0

### Synonyms

Killer cell lectin-like receptor subfamily K member 1, NK cell receptor D, NKG2-D-activating NK receptor

### Sequence Note

Phe90-Val232

## Instruction

### Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration of 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

### Stability & Storage

This product is stable after storage at:

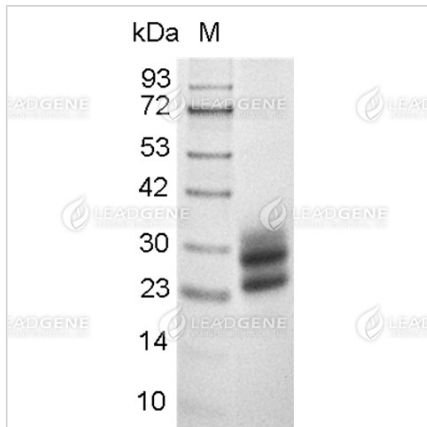
- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

### Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Image



SDS-PAGE analysis of recombinant mouse NKG2D.

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