

# Biotinylated Recombinant Human NKAT-6/KIR2DL2/CD158b1 Protein

Catalog No.: RP01452B **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	3803	P43627

### Tags

C-His&Avi

### Synonyms

Killer cell immunoglobulin-like receptor 2DL2  
CD158 antigen-like family member B1  
MHC class I NK cell receptor  
NKAT-6  
p58 NK receptor  
CL-43  
CD158b1  
KIR2DL2  
CD158B1  
NKAT6

## Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW	Observed MW
27.4 kDa	45-60 kDa

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### 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.

## Contact

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## Background

KIR2DL2 (2DL2, formerly NKAT6, designated CD158b) is a 348 amino acid (aa) type I transmembrane glycoprotein that belongs to the human killer cell Ig-like receptor (KIR) family. KIRs are expressed on human CD56dim NK cells and T cell subsets, and regulate effector functions in the innate immune system. KIR2DL2 is receptor on natural killer (NK) cells for HLA-Cw1, 3, 7, and 8 allotypes. Inhibits the activity of NK cells thus preventing cell lysis.

## Basic Information

### Description

Biotinylated Recombinant Human NKAT-6/KIR2DL2/CD158b1 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (His22-His245) of Human KIR2DL2 fused with a His and Avi tag at the C-terminal.

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### 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.

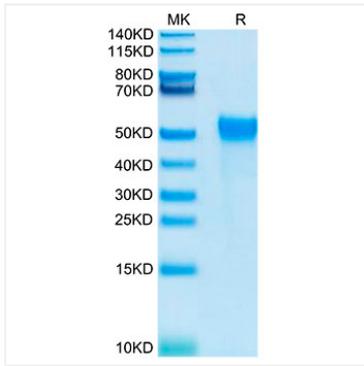
### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

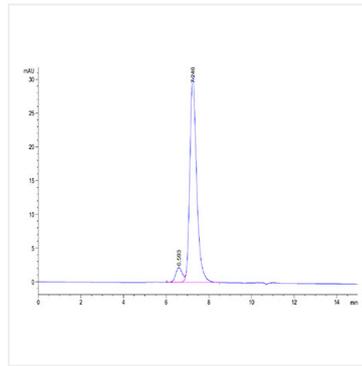


## Validation Data

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Biotinylated Recombinant Human NKAT-6/KIR2DL2/CD158b1 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human KIR2DL2 is greater than 95% as determined by SEC-HPLC.