

Biotinylated Recombinant Human NKAT-6 /KIR2DL2/CD158b1 Protein

Catalog No.: RP01452B

Sequence Information

Species	Gene ID
Human	3803
Swiss Prot	Tags
P43627	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.

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.

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

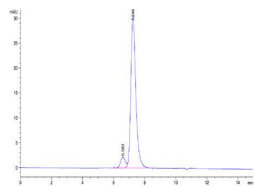
Operational Notes

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

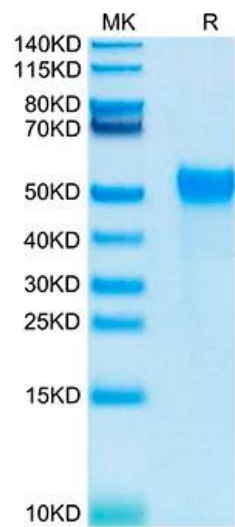
Contact

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Validation Data



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



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