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Recombinant Human NKAT-6/KIR2DL2/CD158b1 Protein

Catalog No.: RP01452 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	3803	P43627

Tags
C-His&Avi

Synonyms
KIR2DL2;CD158B1;CD158b;NKAT-6;NKAT 6;p58.2

Product Information

Source
HEK293 cells

Purification
> 95% by SDS-PAGE.

Endotoxin
<0.1EU/μg

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

Reconstitution
Centrifuge the vial 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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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.

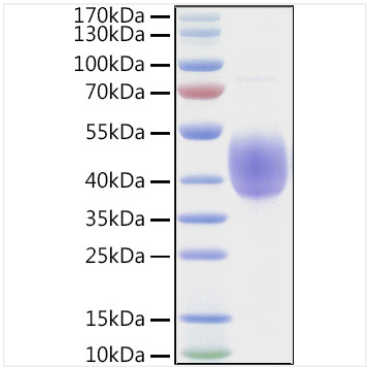
Basic Information

Description
Recombinant Human NKAT-6/KIR2DL2/CD158b1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (His22-His245) of human KIR2DL2 (Accession #NP_055034.2) fused with a 6×His□Avi tag at the C-terminus.

Bio-Activity

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human NKAT-6/KIR2DL2/CD158b1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 38-50kDa.