

Recombinant Human NKAT-6/KIR2DL2/CD158b1 Protein

Catalog No.: RP01452

Sequence Information

Species	Gene ID
Human	3803
Swiss Prot	Tags
P43627	C-His&Avi

Synonyms

KIR2DL2,CD158B1,CD158b,NKAT-6,NKAT6,p58.2

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW Observed MW

27.24 kDa 40-55 kDa

Endotoxin

< 0.1 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 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 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

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.

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

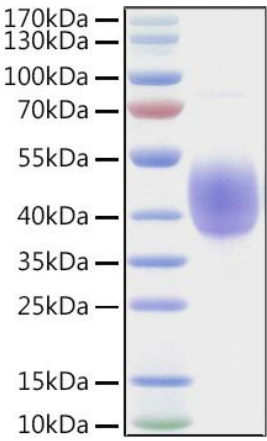
Operational Notes

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

Contact

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Validation Data



Recombinant Human NKAT-6/KIR2DL2/CD158b1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.