

Recombinant Human KIR3DL2/CD158k Protein

Catalog No.: RP02706

Sequence Information

Species	Gene ID
Human	3812
Swiss Prot	Tags
P43630-1	C-His&Avi

Synonyms

NKAT-4; NKAT4; CD158k; CL-5;
KIR3DL2; NKAT4A; NKAT4B; p140

Product Information

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

Calculated MW Observed MW

37.9 kDa 40-70 kDa

Endotoxin

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

Formulation

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

KIR3DL2 is a member of the killer cell immunoglobulin-like receptor (KIR) family that was initially identified at the surface of natural killer (NK) cells. KIR3DL2, also known as CD158k, is expressed as a disulfide-linked homodimer. Each chain is composed of three immunoglobulin-like domains and a long cytoplasmic tail containing two immunoreceptor tyrosine-based inhibitory motifs.

Basic Information

Description

Recombinant Human KIR3DL2/CD158k Protein is produced by Expi293 cells expression system. The target protein is expressed with sequence (Leu22-Leu339) of Human KIR3DL2/CD158k (Accession #P43630-1) fused with His tag and 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.

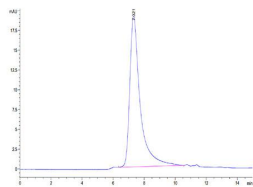
Contact

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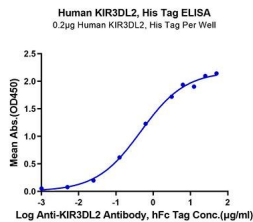
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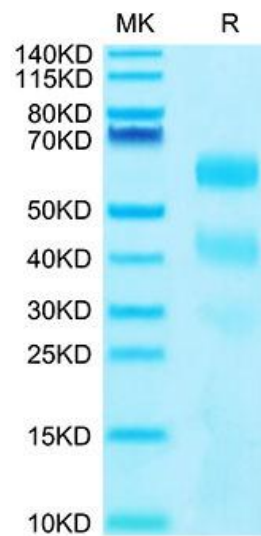
Validation Data



The purity of Human KIR3DL2 is greater than 95% as determined by SEC-HPLC.



Immobilized Human KIR3DL2, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Anti-KIR3DL2 Antibody, hFc Tag with the EC₅₀ of 0.47μg/ml determined by ELISA.



Recombinant Human KIR3DL2/CD158k Protein was determined by Tris-Bis PAGE under reducing conditions.