RP02706

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Recombinant Human KIR3DL2/CD158k Protein

Catalog No.: RP02706 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	3812	P43630-1

Tags
C-His&Avi

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

Product Information

Source
HEK293 cells

Purification
> 95% as determined by Tris-Bis PAGE ; > 95% as determined by HPLC

Endotoxin
Less than 1EU per μg by the 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 stablizer (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

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.

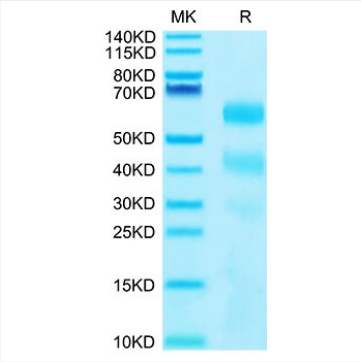
Basic Information

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.

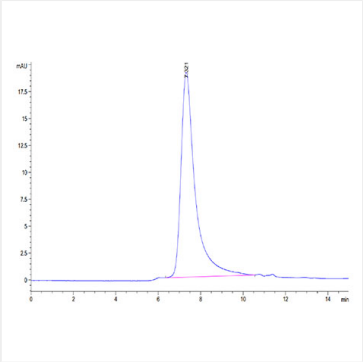
Bio-Activity

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.

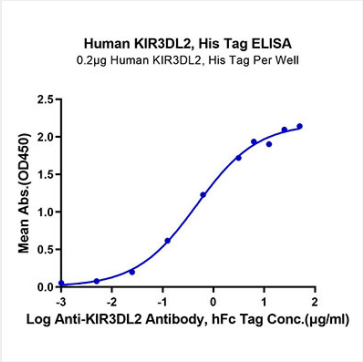
Validation Data



Human KIR3DL2 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.



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 EC_{50} of 0.47μg/ml determined by ELISA.