

Biotinylated Recombinant Human KP43/KLRD1/CD94 Protein

Catalog No.: RP02767B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3824	Q13241-1

Tags

N-His&Avi

Synonyms

CD94; KLRD1; KP43; NK cell receptor

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE and HPLC

Calculated MW	Observed MW
19.8 kDa	19.8 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. Normally 8% trehalose is added as protectant before lyophilization. Contact us for customized product form or 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.

Contact

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Background

CD94 is an approximately 25 kDa type 2 transmembrane protein that plays an important role in regulating natural killer (NK) cell activation. CD94 plays a role as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells.

Basic Information

Description

Biotinylated Recombinant Human KP43/KLRD1/CD94 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser34-Ile179) of Human KP43/KLRD1/CD94 (Accession #) fused with His tag and Avi tag at the N-terminal.

Bio-Activity

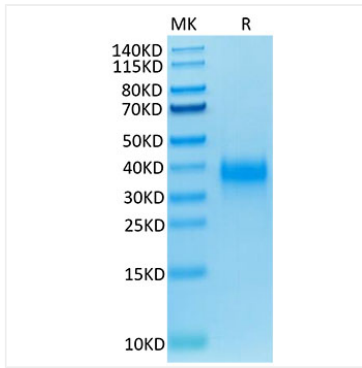
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

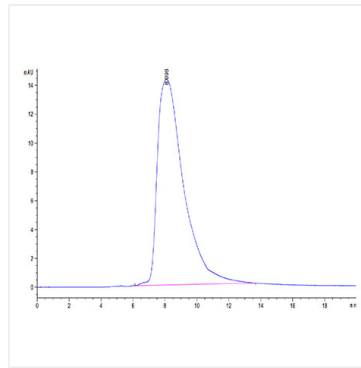
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Biotinylated Human CD94 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.



The purity of Biotinylated Human CD94 is greater than 95% as determined by SEC-HPLC.