

For Research Use Only

# Recombinant Human CD94/KLRD1 protein (rFc Tag)(HPLC verified)



Catalog Number: Eg2580

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE<br>>90 %, SEC-HPLC

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE<br>>90 %, SEC-HPLC

**Endotoxin Level:**  
<0.1 EU/  $\mu$ g protein, LAL method

**Source:**  
HEK293-derived Human CD94 protein Lys32-Ile179 (Accession# Q13241-1) with a rabbit IgG Fc tag at the N-terminus.

**GeneID:**  
3824

**Accession:**  
Q13241-1

**Predicted Molecular Mass:**  
44.4 kDa

**SDS-PAGE:**  
50-65 kDa, reducing (R) conditions

**Formulation:**  
Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

### Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

### Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

CD94, also known as the killer cell lectin-like receptor (KLR) family member, is a type II integral membrane protein related to the C-type lectin superfamily. It is specifically expressed on natural killer (NK) cells and a subset of T cells, and plays a crucial role in stimulating NK cell cytotoxicity and the release of tumor necrosis factor. CD94 can form heterodimers with different NKG2 proteins (e.g., NKG2A, NKG2C, NKG2E, or NKG2F) to balance the function of NK cells and CD8+ T cells.

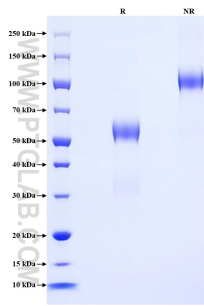
## References

1. Jianhua Yu. et al. (2009). J Immunol. 183(8):4968-74.
2. Hong Fang. et al. (2021). Leuk Res. 108:106614.
3. Anasuya Gunturi. et al. (2004). Immunol Res. 30(1):29-34.

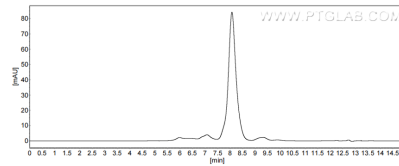
## Synonyms

CD94, Killer cell lectin-like receptor subfamily D member 1, KLRD1, KP43, NK cell receptor

## Selected Validation Data



Purity of Recombinant Human CD94 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Human CD94/KLRD1 was greater than 90% as determined by SEC-HPLC.

For technical support and original validation data for this product please contact

T: 027-87531629

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.