

For Research Use Only

# Recombinant Human DcR1/TNFRSF10C protein (rFc Tag)



Catalog Number: Eg4677

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE

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

**Source:**  
HEK293-derived Human DcR1 protein Ala26-Pro235 (Accession# O14798) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**  
8794

**Accession:**  
O14798

**Predicted Molecular Mass:**  
47.7 kDa

**SDS-PAGE:**  
65-85 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

Decoy receptor 1 (DcR1), also known as TNFRSF10C, CD263, TRAIL-R3, or TRID, is a member of the TNF-receptor superfamily. DcR1 is a receptor for the cytotoxic ligand TRAIL. In contrast to DR4/TRAIL-R1 and DR5/TRAIL-R2, DcR1 is a glycosylphosphatidylinositol (GPI)-linked membrane molecule that lacks a cytoplasmic region, including the death domain. DcR1 is not capable of inducing apoptosis and is thought to function as an antagonistic receptor that protects cells from TRAIL-induced apoptosis. The apparent molecular weight of DcR1 is larger than the calculated molecular weight of 27 kDa, suggesting the presence of extensive post-translational modifications and/or unusual structural motifs.

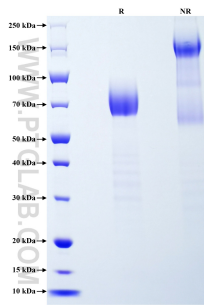
## References

1. Degli-Esposti MA, et al. (1997) *J Exp Med.* 186(7):1165-1170.
2. Sheridan JP, et al. (1997) *Science.* 277(5327):818-821.
3. Pan G, et al. (1997) *Science.* 277(5327):815-818.
4. Schneider P, et al. (1997) *FEBS Lett.* 416(3):329-334.

## Synonyms

DcR1, Antagonist decoy receptor for TRAIL/Apo-2L, CD263, Decoy receptor 1, LIT

## Selected Validation Data



Purity of Recombinant Human DcR1 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.

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)

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