

For Research Use Only

# Recombinant Human CD2 protein (His Tag)



Catalog Number: Eg1271

## Basic Information

**Species:**  
Human

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

**Tag:**  
His Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/  $\mu$ g protein, LAL method

**Source:**

HEK293-derived Human CD2 protein Lys25-Asp209 (Accession# P06729) with a His tag at the C-terminus.

**GeneID:**

914

**Accession:**

P06729

**Predicted Molecular Mass:**

22.1 kDa

**SDS-PAGE:**

29-35 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

CD2 (also known as LFA-2, T-cell surface antigen T11/Leu-5, LFA-3 receptor, E-rosette receptor) is a member of the immunoglobulin superfamily. It is a transmembrane glycoprotein present on T cells, NK cells, thymocytes and dendritic cells. CD2 functions as an adhesion molecule, binding with lymphocyte function-associated antigen (LFA-3/CD58) in humans. It has also been reported to interact with CD48 and CD59. CD2 plays important roles in cell adhesion between T-cells/NK cells and other cell types, T-cell activation, NK-cell activation, and thymocyte development.

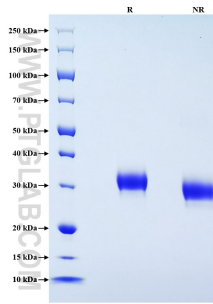
## References

1. P A van der Merwe, et al. (1994) *Biochemistry*. 33(33):10149-60.
2. S J Davis, et al. (1996) *Immunol Today*. 17(4):177-87.
3. A L Wilkins, et al. (2003) *Curr Protein Pept Sci*. 4(5):367-73.
4. Christian Binder, et al. (2020) *Front Immunol*. 11:1090.

## Synonyms

CD2, CD2 molecule, Erythrocyte receptor, LFA 2, LFA 3 receptor

## Selected Validation Data



Purity of Recombinant Human CD2 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)

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