

# Human CD2 (His Tag) recombinant protein



Catalog Number: 502112

## General Information

### Gene Name Synonym

Erythrocyte receptor; LFA-2; LFA-3 receptor;  
Rosette receptor; T-cell surface antigen T11/Leu-5

### Protein Construction

A DNA sequence encoding the human CD2 (NP\_001758.2) extracellular domain (Met 1-Asp 209) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized human CD2-His at 10 µg/ml (100 µl/well) can bind human CD58-Fc (Cat:501121). The EC<sub>50</sub> of human CD58-Fc (Cat:501121) is 0.04-0.1 µg/ml.

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Lys 25

### Molecular Mass

The recombinant human CD2 consists of 196 amino acids and has a predicted molecular mass of 22.7 kDa. In SDS-PAGE under reducing conditions, rhCD2 migrates as an approximately 37 kDa band due to glycosylation.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

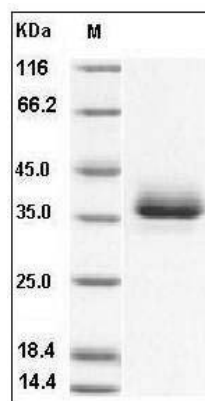
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human CD2 Protein (His Tag) SDS-PAGE