

# Human CD45/PTPRC (Fc Tag) recombinant protein



Catalog Number: 504526

## General Information

### Protein Construction

A DNA sequence encoding the human CD45 precursor (NP\_563578.1) (Met 1-Lys 414) was fused with the Fc region of human IgG1 at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to bind biotinylated human Galectin-1 (Cat:501474-E) in a functional ELISA.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Gln 24

### Molecular Mass

The recombinant mature human CD45/Fc chimeric protein consists of 629 amino acids and has a calculated molecular mass of 71.1 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCD45/Fc monomer is approximately 125-135 kDa 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

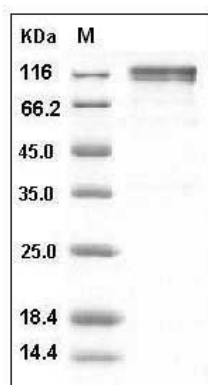
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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 CD45 / PTPRC Protein (Fc Tag) SDS-PAGE