

# Mouse CD45/PTPRC (Fc Tag) recombinant protein



Catalog Number: 501204

## General Information

### Protein Construction

A DNA sequence encoding the mouse PTPRC (NP\_035340.3) (Met1-Lys425) was expressed with the Fc region of human IgG1 at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized human SEMA4D-His (Cat:501088) at 10 µg/ml (100 µl/well) can bind mouse PTPRC-Fc with a linear range of 0.625-5 µg/ml.

### Purity

> 85 % 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

Gln 24

### Molecular Mass

The recombinant mouse PTPRC /Fc is a disulfide-linked homodimer. The reduced monomer comprises 643 amino acids and has a predicted molecular mass of 71.7 KDa. The apparent molecular mass of the protein is approximately 118 KDa in SDS-PAGE under reducing conditions 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

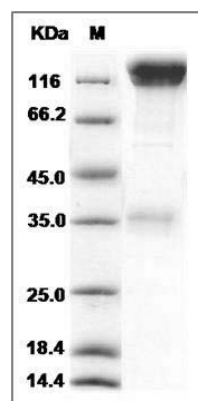
### Storage

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



Mouse CD45 / PTPRC Protein (Fc Tag) SDS-PAGE