

# Mouse CD45/PTPRC (aa 453-1152) recombinant protein



Catalog Number: 504781

## General Information

### Protein Construction

A DNA sequence encoding the mouse PTPRC (Arg453-Ser1152) was fused with five amino acids (DDDDK) at the C-terminus was expressed and purified.

### Organism

Mouse

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

1. The specific activity was determined to be 9168 nmol/min/mg using p-nitrophenyl phosphate as substrate.
2. Measured by its binding ability in a functional ELISA. Immobilized mouse PTPRC (453-1152) at 10 µg/ml (100 µl/well) can bind biotinylated human Galectin-1 (Cat:501474-E) with a linear range of 0.31-2.5 µg/ml.

### Purity

> 95 % 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

Arg 453

### Molecular Mass

The recombinant mouse PTPRC consists of 706 amino acids and has a calculated molecular mass of 81 kDa. The recombinant protein migrates as an approximately 93 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Supplied as sterile 20mM Tris, 500mM NaCl, 10% glycerol, 3mM DTT, 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

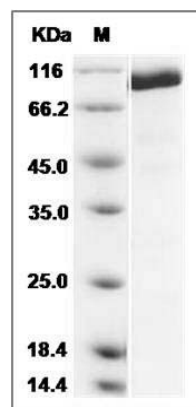
### Storage

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 (aa 453-1152) SDS-PAGE