

# Mouse CD45/PTPRC (aa 453-1152, His & GST Tag) recombinant protein



Catalog Number: 504735

## General Information

### Protein Construction

A DNA sequence encoding the mouse PTPRC (Arg453-Ser1152) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

### Organism

Mouse

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

1. The specific activity was determined to be 12306 nmol/min/mg using p-nitrophenyl phosphate as substrate.
2. Measured by its ability to bind biotinylated 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

Met

### Molecular Mass

The recombinant mouse PTPRC/GST chimera consists of 937 amino acids and has a calculated molecular mass of 108.2 kDa. The recombinant protein migrates as an approximately 110 kDa band in SDS-PAGE under reducing conditions.

### Formulation

- Supplied as sterile 20mM Tris, 500mM NaCl, 0.5mM GSH, 3mM DTT, pH 7.4, 10% gly
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
  2. Please contact us for any concerns or special requirements.

## Usage Guide

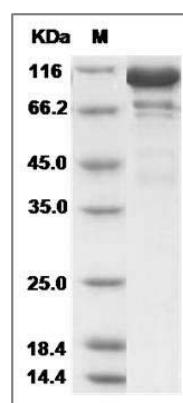
### Storage

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



Mouse CD45 / PTPRC Protein (aa 453-1152, His & GST Tag) SDS-PAGE