

# Mouse PARP-1/PARP (His Tag) recombinant protein



Catalog Number: 501233

## General Information

### Gene Name Synonym

Poly [ADP-ribose] polymerase 1

### Protein Construction

A DNA sequence encoding the mouse PARP1 (NP\_031441.2) (Met 1-Trp 1014) was fused with a polyhistidine tag at the N-terminus.

### Organism

Mouse

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized mouse PARP1 at 10  $\mu\text{g}/\text{mL}$  (100  $\mu\text{l}/\text{well}$ ) can bind biotinylated human HSP70, The  $\text{EC}_{50}$  of biotinylated human HSP70 is 0.021  $\mu\text{g}/\text{mL}$ .

### Purity

> 85 % 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 PARP1 consists of 1033 amino acids and has a calculated molecular mass of 115 kDa. It migrates as an approximately 75 kDa band in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0, 10% gly, 0.1mM TCEP

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

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

## Usage Guide

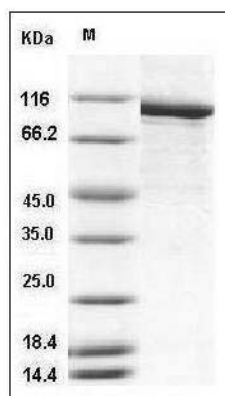
### Storage

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 PARP-1 / PARP Protein (His Tag) SDS-PAGE