

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 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 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

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

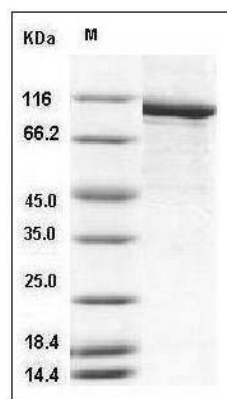
Storage

Store it under sterile conditions at -20°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



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