

Human PARP-1/PARP (His Tag) recombinant protein



Catalog Number: 501891

Protein Construction

The amino acids corresponding to the full length of human PARP1 (NP_001609.2) (Met 1-Trp 1014) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized human PARP1 at 10 µg/mL (100 µl/well) can bind biotinylated human HSP70, The EC₅₀ of biotinylated human HSP70 is 0.035 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

Met

Molecular Mass

The recombinant human PARP1 consists of 1024 amino acids and predicts a molecular mass of 114.5 kDa. The apparent molecular mass of rhPARP1 is approximately 100-110 kDa in SDS-PAGE under reducing conditions.

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.

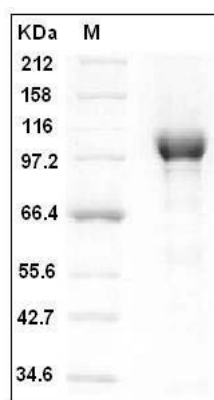
Storage

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



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