

Human PARP-3 / PARP3 Protein (His & GST Tag)

Catalog Number: 11190-H20B



Sino Biological Inc.
Biological Solution Specialist

General Information

Gene Name Synonym:

ADPRT3; ADPRTL2; ADPRTL3; ARTD3; IRT1; PADPRT-3; A930002C11Rik; Adprt3; Adprt3; AW990611; pADPRT-3; PARP-3

Protein Construction:

A DNA sequence encoding the C-terminal segment of human PARP3 isoform 1 (Q9Y6F1-1) (Met 1-Leu 533) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

Source: Human

Expression Host: Baculovirus-Insect Cells

QC Testing

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 human PARP3/GST chimera consists of 768 amino acids and has a calculated molecular mass of 87.8 kDa. It migrates as an approximately 95 kDa band in SDS-PAGE under reducing conditions.

Formulation:

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

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

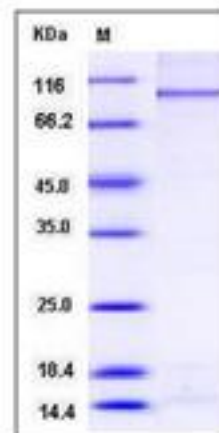
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

1. Loseva O, *et al.* (2010) PARP-3 is a mono-ADP-ribosylase that activates PARP-1 in the absence of DNA. *J Biol Chem.* 285(11): 8054-60.
2. Lehtio L, *et al.* (2009) Structural basis for inhibitor specificity in human poly(ADP-ribose) polymerase-3. *J Med Chem.* 52(9): 3108-11.
3. Rouleau M, *et al.* (2009) Assessment of PARP-3 distribution in tissues of cynomolgous monkeys. *J Histochem Cytochem.* 57(7): 675-85.

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