



AscentGene, Inc.
900 Clopper Road
Suite 130
Gaithersburg, MD 20878

Recombinant Human Poly (ADP-ribose) Polymerase I

Catalog Number	Size
AG327-10	10ug
AG327-25	25ug
AG327-B	Bulk

Specifications and Use

Description

Recombinant human poly (ADP-ribose) polymerase I (PARP1) was expressed in Sf9 cells and purified by an affinity column in combination of other chromatograph methods. The resulted protein is a monomeric polypeptide of 1028 (1014+14) amino acids with a 6His tag at the Cterminus. It migrates in SDS-PAGE with an apparent molecular mass of 120kDa.

MHHHHHGRRASVLEAESDGLYRVEYAKSGRASCKKCESIPKDSLRLMAIMVQSPMFDGKVPWHYHFS
CFWKVGHHSIRHPDVEVDGFSRLRWDDQKVKKTAEAGGVTKGQDGIGSKAEKTLGDFAAEYAKSNRS
TCKGCKMEKIEKGQVRLSKMVDPEKPQLGMIDRWYHPGCFVKNREELGFRPEYSASQLKGFSLLATEDKE
ALKKQLPGVKSEGRKRGDEVGDVDEVAKKKSKKEKDKDSKLEKALKAQNLIWNIKDELKKVCSTNDL
KELLIFNKQQVPSGESAILDRVADGMVFGALLPCECSGQLVFKSDAAYCTGDVTAWTKCMVKTQTPNR
KEWVTPKEFREISYLKKLVKKQDRIFPPETSASVAATPPPSTASAPAAVNSSASADKPLSNMKILTLGKLS
RNKDEVKAMIEKLGKLTGTANKASLCISTKKEVEKMNKKMEEVKEANIRVVSEDFLQDVSAKSLQEL
FLAHILSPWGAEVKAEPVEVVAPRGKSGAALSKSKGQVKEEGINKSEKRMKLTGKGAADVDPDSGLEHS
AHVLEKGGKVFSATLGLVDIVKGTNSYYKLQLEDDKENRYWIFRSWGRVGTVIGSNKLEQMPSKEDAIE
HFMKLYEEKTGNAWHSKNFTKYPKKFYPLEIDYGQDEEAVKKLTVNPGTKSKLPKVPQDLIKMIFDVESM
KKAMVEYEIDLQKMPLGKLSKRQIAAAYSILSEVQQAVSQGSSDSQILDLSNRFYTLIPHDFGMKKPPLLN
NADSVQAKVEMLDNLLDIEVAYSLLRGGSDSSKDPIDVNYEKLKTDIKVVDRESEAEIRKYVKNTHAT
THNAYDLEVIDIFKIEREGECQRYKPFKQLHNRLLWHGSRTTNFAGILSQGLRIAPPEAPVTGYMFGKGIY
FADMVSKSANYCHTSQGDPIGLILLGEVALGNMYELKHASHISKLPKGKHSVKGLGKTTDPDSANISLDGV
DVPLGTGISSGVNDTSLLY NEYIVYDIAQVNLKYLLKLFNFKTSLW

Accession Number

NM_001618

Source

Sf9

Molecular Mass

Approximately 120kDa

Purity

≥90%, as determined by SDS-PAGE

Biological Activity

Human PARP1 is a chromatin-associated protein involved in the regulation of various cellular processes including differentiation, proliferation and tumor transformation by modifying various nuclear proteins.

Formulation

20mM Tris-Cl, pH7.9, 20% glycerol, 100mM NaCl, 1mM DTT and 1mM EDTA

Storage

The protein sample can be stored under sterile conditions at 2-8o ° C for one month or at -20°o C to -70°o C for three months without detectable loss of activity.

Special Notes

FOR RESEARCH ONLY