

Recombinant Human PARP12, His-GST tagged

Cat. No. PARP12-433H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human PARP12 (a.a. 500-701), fused with N-terminal His-GST tag, was expressed in a Baculovirus infected Sf9 cell expression system.

Species Human

Source Sf9 Cells

ProteinLength 500-701 a.a.

Description Poly (ADP-ribose) polymerase (PARP) is a protein involved in a number of cellular processes involving mainly DNA repair and programmed cell death.

Form 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 8mM Glutathione, 0.04% Tween20, and 20% glycerol.

Molecular Mass 51 kDa

AA Sequence

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MHHHHHHGGGSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFE
LGFLEFPNLPYYIDGDVCLT QSMAIRYIADKHNMLGGCPKERAEISMLEGAVLDIRYG
VSRIAYSKDFETLKVDFLSKLPMLKMFKDRLCHKT YLNGDHVTHPDFMLYDALDVV
LYMDPMCLDAFPKLVCFKKRIEAIQIDKYLKSSKYIAWPLQGQWQATFGGGDHP PK
SDPENLYFQGGGFEKITLSSSSEEYQKVWNLFNRTLFPFYFVQKIERVQNLALWEVYQ
WQKGQMVKQNGGKAVD ERQLFHGTSAIFVDAICQQNFDWRVCGVHGTSYGKGS
YFARDAAYSHHYSKSDTQTHTMFLARVLVGEFVRGNAS FVRPPAKEGWSNAFYDS
CVNSVSDPSIFVIFEKHQVYPEYVIQYTTSSKPSVTPSILLALGSLFSSRQ
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 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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|----------------------------|--|
| Purity | ≥90% |
| Applications | Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling. |
| Stability | >6 months at –80°C |
| GENE INFORMATION | |
| Gene Name | PARP12 poly (ADP-ribose) polymerase family, member 12 [Homo sapiens (human)] |
| Official Symbol | PARP12 |
| Synonyms | PARP12; ZC3H1; ARTD12; MST109; MSTP109; ZC3HDC1; poly [ADP-ribose] polymerase 12; zinc finger CCCH type domain containing 1; zinc finger CCCH domain-containing protein 1; ADP-ribosyltransferase diphtheria toxin-like 12; NP_073587.1; EC 2.4.2.30 |
| Gene ID | 64761 |
| mRNA Refseq | NM_022750 |
| Protein Refseq | NP_073587 |
| MIM | 612481 |
| UniProt ID | Q9H0J9 |
| Chromosome Location | 7q34 |
| Function | NAD+ ADP-ribosyltransferase activity; metal ion binding |

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