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	MHHHHHHGGGSPILGYWKIKGLVQPTRLLLEYLEEKYEEHLYERDEGDKWRNKKFE LGLEFPNLPYYIDGDVKLT QSMAIIRYIADKHNMLGGCPKERAEISMLEGAVLDIRYG VSRIAYSKDFETLKVDFLSKLPEMLKMFKDRLCHKT YLNGDHVTHPDFMLYDALDVV LYMDPMCLDAFPKLVCFKKRIEAIPQIDKYLKSSKYIAWPLQGWQATFGGGDHP PK SDPENLYFQGGGEFKITLSSSSEEYQKVWNLFNRTLPFYFVQKIERVQNLALWEVYQ WQKGQMQKQNGGKAVD ERQLFHGTSAIFVDAICQQNFDWRVCGVHGTSYGKGS YFARDAAYSHHYSKSDTQTHTMFLARVLVGEFVRGNAS FVRPPAKEGWSNAFYDS CVNSVSDPSIFVIFEKHQVYPEYVIQYTTSSKPSVTPSILLALGSLFSSRQ

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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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