Poly [ADP-ribose] polymerase 1 (PARP1), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP12705*

Species
Oryza sativa subsp. japonica (Rice)

Full Product Name
Recombinant Oryza sativa subsp. japonica Poly [ADP-ribose] polymerase 1 (PARP1), partial

Product Gene Name
PARP1 recombinant protein

Product Synonym Gene Name
PARP1

Purity
Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Format
Lyophilized or liquid (Format to be determined during the manufacturing process)

Host
E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight
110,156 Da

Storage
Store at -20℃. For long-term storage, store at -20℃ or -80℃. Store working aliquots at 4℃ for up to one week. Repeated freezing and thawing is not recommended.

Protein Family
Poly [ADP-ribose] polymerase

NCBI Accession
XP_015647732.1

NCBI GI
1002286857

NCBI GenBank Nucleotide
XM_015792246.1

NCBI GeneID
4343013

NCBI Official Full Name
poly

NCBI Official Symbol
LOC4343013

NCBI Official Synonym Symbols

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PARP1; PARP-1; ADPRT-1

NCBI Protein Information
poly [ADP-ribose] polymerase 1

UniProt Gene Name
PARP1

UniProt Synonym Gene Names
PARP-1; ADPRT-1

UniProt Protein Name
Poly [ADP-ribose] polymerase 1

UniProt Synonym Protein Names
NAD(+) ADP-ribosyltransferase 1; ADPRT-1; Poly[ADP-ribose] synthase 1

UniProt Primary Accession
Q7EYV7

UniProt Secondary Accession
B9FWT2

UniProt Related Accession
Q7EYV7

UniProt Comments
Involved in the base excision repair (BER) pathway, by catalyzing the poly(ADP-ribosyl)ation of a limited number of acceptor proteins involved in chromatin architecture and in DNA metabolism. This modification follows DNA damages and appears as an obligatory step in a detection/signaling pathway leading to the reparation of DNA strand breaks .

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