

Poly [ADP-ribose] polymerase 2-A (PARP2-A), Recombinant Protein

Cat *RP13699*

Species

Oryza sativa subsp. *japonica* (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Poly [ADP-ribose] polymerase 2-A (PARP2-A), partial

Product Gene Name

PARP2-A recombinant protein

Product Synonym Gene Name

PARP2-A

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

74,297 Da

Storage

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

Protein Family

Poly [ADP-ribose] polymerase

NCBI Accession

Q5Z8Q9.2

NCBI GI

118573124

NCBI GeneID

4326479

NCBI Official Full Name

Poly

NCBI Official Symbol

LOC4326479

NCBI Official Synonym Symbols

PARP2-A; PARP-2-A; ADPRT-2-A

NCBI Protein Information

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Poly [ADP-ribose] polymerase 2-A (PARP2-A), Recombinant Protein

Cat *RP13699*

poly [ADP-ribose] polymerase 2-A

UniProt Gene Name

PARP2-A

UniProt Synonym Gene Names

PARP-2-A; ADPRT-2-A

UniProt Protein Name

Poly [ADP-ribose] polymerase 2-A

UniProt Synonym Protein Names

NAD(+) ADP-ribosyltransferase 2-A; ADPRT-2-A; Poly[ADP-ribose] synthase 2-A

UniProt Primary Accession

Q5Z8Q9

UniProt Secondary Accession

Q0JMY0

UniProt Related Accession

Q5Z8Q9

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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