

Active Recombinant Mouse Parp2, His-tagged

Cat. No. Parp2-453M Lot. No. (See product label)

SPECIFICATION

Product Overview	Mouse full-length PARP-2 [ARTD2] is fused to a His-tag.
Species	Mouse
Source	Sf21 Cells
Description	PARP-2 [ARTD2] is 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.
Form	Liquid. In 50mM TRIS-HCl, pH 7.5, containing 100mM sodium chloride and 50mM imidazole, 0.2% NP-40 and 10% glycerol.
Bio-activity	≥600U/mg protein.
Purity	≥98% (SDS-PAGE)
Stability	Stable for at least 6 months after receipt when stored at -80°C.
Storage	Short Term Storage: -20°C; Long Term Storage: -80°C. After opening, prepare aliquots and store at -80°C. Avoid freeze/thaw cycles.
Concentration	Lot dependent (0.2-1mg/ml)

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GENE INFORMATION

Gene Name	Parp2 poly (ADP-ribose) polymerase family, member 2 [<i>Mus musculus</i>]
Official Symbol	Parp2
Synonyms	PARP2; poly (ADP-ribose) polymerase family, member 2; poly [ADP-ribose] polymerase 2; ADPRT-2; mPARP-2; pADPRT-2; poly[ADP-ribose] synthase 2; poly[ADP-ribose] synthetase 2; NAD(+) ADP-ribosyltransferase 2; ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase) 2; ADP-ribosyltransferase (NAD+, poly(ADP-ribose) polymerase)-like 2; poly(ADP-ribose) polymerase)-like 2; Adprt2; C78626; PARP-2; Adprt12; Aspart12;
Gene ID	11546
mRNA Refseq	NM_009632
Protein Refseq	NP_033762
Pathway	BER complex, organism-specific biosystem; BER complex, conserved biosystem; Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem;
Function	DNA binding; NAD+ ADP-ribosyltransferase activity; protein binding; transferase activity; transferase activity, transferring glycosyl groups;

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