Recombinant Mouse Parp2, His-tagged

Cat. No. Parp2-641M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Parp2 is produced in*Sf21*cells and fused at the N-terminus to a His-tag.
Species	Mouse
Source	Sf21 Cells
Description	This gene encodes poly(ADP-ribosyl)transferase-like 2 protein, which contains a catalytic domain and is capable of catalyzing a poly(ADP-ribosyl)ation reaction. This protein has a catalytic domain which is homologous to that of poly (ADP-ribosyl) transferase, but lacks an N-terminal DNA binding domain which activates the C-terminal catalytic domain of poly (ADP-ribosyl) transferase. The basic residues within the N-terminal region of this protein may bear potential DNA-binding properties, and may be involved in the nuclear and/or nucleolar targeting of the protein. Two alternatively spliced transcript variants encoding distinct isoforms have been found.
Purity	≥98% (SDS-PAGE).
Concentration	1mg/ml.
Formulation	Liquid. In 50mM TRIS-HCl, pH 7.5, containing 100mM sodium chloride, 50mM imidazole, 0.2% NP-40 and 10% glycerol.
Storage And Stability	-80°C. After opening, prepare aliquots and store at -80°C. Avoid freeze/thaw cycles.

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GENE INFORMATION

Gene Name	Parp2 poly (ADP-ribose) polymerase family, member 2 [Mus musculus]
Synonyms	Parp2; poly (ADP-ribose) polymerase family, member 2; ADP-ribosyltransferase (NAD+, poly(ADP-ribose) polymerase)-like 2; ADP-ribosyltransferase (NAD+; poly (ADP-ribose) polymerase) 2; ADP-ribosyltransferase (NAD+; poly(ADP-ribose) polymerase)-like 2; ADPRT-2; NAD(+) ADP-ribosyltransferase 2; mPARP-2; pADPRT-2; poly [ADP-ribose] polymerase 2; poly[ADP-ribose] synthase 2; poly[ADP-ribose] synthetase 2; Adprt2; C78626; PARP-2; Adprtl2; Aspartl2
Gene ID	11546
mRNA Refseq	NM_009632
Protein Refseq	NP_033762
UniProt ID	O88554
Chromosome Location	14 19.5 cM
Pathway	Base excision repair
Function	DNA binding; NAD or NADH binding; NAD+ ADP-ribosyltransferase activity; identical protein binding; protein N-terminus binding; transcription factor binding; transferase activity, transferring glycosyl groups

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