



# Recombinant Human Poly [ADP-ribose] polymerase 2 (PARP2)

<b>Product Code</b>	CSB-MP866224HU
<b>Abbreviation</b>	PARP2
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9UGN5
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MAARRRRSTG GGRARALNES KRVNNGNTAP EDSSPAKKTR RCQRQESKKM PVAGGKANKD RTEDKQDGMP GRSWASKRVS ESVKALLLLKG KAPVDPECTA KVGKAHVYCE GNDVYDVMLN QTNLQFNNNK YYLIQLLEDD AQRNFSVWMR WGRVKGKMGQH SLVACSGNLN KAKEIFQKKF LDKTKNNWED REKFEKVP GK YDMLQMDYAT NTQDEEETKK EESLKSP LKP ESQLDLRVQE LIKLCINVQA MEEMMMEMKY NTKKAPLGKL TVAQIKAGYQ SLKKIEDCIR AGQHGRALME ACNEFYTRIP HDFGLRTPPL IRTQKELSEK IQLLEALGDI EIAIKLVKTE LQSPEHPLDQ HYRNLHICALR PLDHESYEFK VISQYLQSTH APTHSDYTMT LLDLFEVEKD GEKEAFREDL HNRMLLWHGS RMSNWVGILS HGLRIAPPEA PITGYMFGKG IYFADMSSKS ANYCFASRLK NTGLLLLSEV ALGQCNELLE ANPKAEGLLQ GKHSTKGLGK MAPSSAHFVT LNGSTVPLGP ASDTGILNPD GYT LNYNEYI VYNPNQVRMR YLLKVQFNFL QLW
<b>Source</b>	Mammalian cell
<b>Target Names</b>	PARP2
<b>Protein Names</b>	Recommended name: Poly [ADP-ribose] polymerase 2 Short name= PARP-2 Short name= hPARP-2 EC= 2.4.2.30 Alternative name(s): NAD(+) ADP- ribosyltransferase 2 Short name= ADPRT-2 Poly[ADP-ribose] synthase 2 Short nam
<b>Expression Region</b>	1-583
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.

---

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

---

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.