



# Recombinant Human Poly (A) polymerase gamma (PAPOLG)

<b>Product Code</b>	CSB-EP863136HU-B
<b>Abbreviation</b>	PAPOLG
<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>	Q9BWT3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MKEMSANTVL DSQRQQKHYG ITSPISLASP KEIDHIYTQK LIDAMKPFQV FEDEEELNHR LVVLGKLNLL VKEWISDVSE SKNLPPSVVA TVGGKIFTFG SYRLGVHTKG ADIDALCVAP RHVERSDFQ SFFEKLKHQD GIRNLRAVED AFVPIKFEF DGIEIDLVFA RLAIQTISDN LDLRDDSRLR SLDIRCIRSL NGCRVTDEIL HLPVNKETFR LTLRAVKLWA KRRGIYSNML GFLGGVSWAM LVARTCQLYP NAAASTLVHK FFLVFSKWEW PNPVLLKQPE ESNLNLPVWD PRVNPSDRYH LMPIITPAYP QQNSTYNVST STRTVMVEEF KQGLAVTDEI LQGKSDWSKL LEPPNFFQKY RHYIVLTASA STEENHLEWV GLVESKIRVL VGNLERNEFI TLAHVNPQSF PGNKEHHKDN NYVSMWFLGI IFRRVENAES VNIDLTYDIQ SFTDTVYRQA NNINMLKEGM KIEATHVKKK QLHHYLP AEI LQKKKKQSLS DVNRSSGGLQ SKRLSLDSSC LDSSRDTDNG TPFNSPASKS DSPSVGETER NSAEPAAVIV EKPLSVPPAQ GLSIPVIGAK VDSTVKT VSP PTVCTIPTVV GRNVIPRITT PHNPAQGQPH LNGMSNITKT VTPKRSHSPS IDGTPKRLKD VEKfirlest FKDPRTAEER KRKSVDAIGG ESMPIPTIDT SRKKRLPSKE LPDSSSPVPA NNIRVIKNSI RLTLNR
<b>Source</b>	E.coli
<b>Target Names</b>	PAPOLG
<b>Protein Names</b>	Recommended name: Poly(A) polymerase gamma Short name= PAP-gamma EC= 2.7.7.19 Alternative name(s): Neo-poly(A) polymerase Short name= Neo-PAP Polynucleotide adenylyltransferase gamma SRP RNA 3'-adenylating enzyme
<b>Expression Region</b>	1-736
<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 a member of the poly(A) polymerase family which catalyzes



template-independent extension of the 3' end of a DNA/RNA strand. This enzyme shares 60% identity to the well characterized poly(A) polymerase II (PAPII) at the amino acid level. These two enzymes have similar organization of structural and functional domains. This enzyme is exclusively localized in the nucleus and exhibits both nonspecific and CPSF (cleavage and polyadenylation specificity factor)/AAUAAA-dependent polyadenylation activity. This gene is located on chromosome 2 in contrast to the PAPII gene, which is located on chromosome 14.

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**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.

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**Shelf Life**

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