



# Recombinant Human DNA polymerase subunit gamma-2, mitochondrial(POLG2)

<b>Product Code</b>	CSB-EP883399HU
<b>Relevance</b>	Mitochondrial polymerase processivity subunit. Stimulates the polymerase and exonuclease activities, and increases the processivity of the enzyme. Binds to ss-DNA.
<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>	Q9UHN1
<b>Storage Buffer</b>	Tris-based buffer,50% glycerol
<b>Alias</b>	DNA polymerase gamma accessory 55 kDa subunit ;p55Mitochondrial DNA polymerase accessory subunitMtPolBPoIG-beta
<b>Product Type</b>	Recombinant Protein
<b>Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MRSRVAVRACHKVCRCLLSGFGGRVDAGQPELLTERSSPKGGHVKSHAELE GNGEHPEAPGSGEGSEALLEICQRRHFLSGSKQQLSRDSSLGCHPGFGPLG VELRKNLAAEWWTSVVVFREQVFPVDALHHKPGPLPGDSAFRLVSAETLREI LQDKELSKEQLVAFLENVLKTSGLRENLLHGALEHYVNCCLDLVKNRPLPYGLA QIGVCFHPVFDTKQIRNGVKSIGEKTEASLVWFTPPRTSNQWLDLFWLRHRLQ WWRKFAMSPSNFSSSDCQDEEGRKGNKLYNFPWGKELIETLWNLGDHELL HMYPGNVSKLHGRDGRKNVPCVLSVNGDLDRGMLAYLYDSFQLTENSFTR KKNLHRKVLKLPCLAPIKVALDVGRGPTLELRQVCQGLFNELLENGISVWPG YLETMQSSLEQLYSKYDEMSILFTVLVTETTLENGLIHLRSRDTTMKEMMHISK LKDFLIKYISSAKNV
<b>Research Area</b>	Transcription
<b>Source</b>	E.coli
<b>Gene Names</b>	POLG2
<b>Expression Region</b>	1-485aa
<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>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	70.9kDa
<b>Protein Description</b>	Full Length
<b>Image</b>	

