



Recombinant *Thermus thermophilus* DNA-directed RNA polymerase subunit alpha (rpoA)

Product Code	CSB-EP722516TNT
Abbreviation	rpoA
Storage	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.
Uniprot No.	Q5SHR6
Product Type	Recombinant Protein
Immunogen Species	<i>Thermus thermophilus</i> (strain HB8 / ATCC 27634 / DSM 579)
Purity	≥85% (SDS-PAGE)
Sequence	MLDSKCLKAPV FTVRTQGREY GEFVLEPLER GFGVTLGNPL RRILLSSIPG TAVTSVYIED VLHEFSTIPG VKEDVVEIIL NLKELVVRFL NPSLQTVTLL LKAEGPKVEK ARDFLPVADV EIMNPDHIA TLEEGGRLNM EVRVDRGVGY VPAEKHGIKD RINAIPVDAV FSPVRRVAFQ VEDTRLGQRT DLDKLTIRW TDGSVTPLEA LNQAVEILRE HLTYFSNPQA AAVAAPEEAK EPEAPPEQEE ELDLPLEELG LSTRVLHSLK EEGIESVRAL LALNLKDLKN IPGIGERSLE EIKEALEKKG FTLKE
Source	<i>E.coli</i>
Target Names	rpoA
Protein Names	Recommended name: DNA-directed RNA polymerase subunit alpha Short name= RNAP subunit alpha EC= 2.7.7.6 Alternative name(s): RNA polymerase subunit alpha Transcriptase subunit alpha
Expression Region	1-315
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
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.