



# Recombinant DNA-directed RNA polymerase subunit alpha (rpoA)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-EP731300BUI-B   |
| <b>Abbreviation</b>      | rpoA  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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>       | Q661B8  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Borrelia bavariensis (strain ATCC BAA-2496 / DSM 23469 / PBi) (Borrelia bavariensis)  |
| <b>Purity</b>            | ≥85% (SDS-PAGE)   |
| <b>Sequence</b>          | MPVEKFLKDF TIPEKIEFLK SQDDGSYGKF TIYPFERGFG VTIGNTLRRV<br>LLSSIEGYAI TAMRIQSNNK DSSSKVVSSE FDLIPGVSED TLEVIANIKN<br>IHLKLGEGEQ RKIISFSVSG KDTKVLKASH FERDGVEVFN RDLVIATLSQ<br>DVNLDLEFQI NYGRGYVSSE QNSKYLEEVN VIALDSIFSP IEKVSYSVED<br>TRVGQRSDYD KLVMEIWTTG VISAKDAIKK AASIREFLF PLIDFEDNIN<br>TSFEKSKSES SNLLDMSIEK LDLSVRSLNC LAKENVRTLK ELISKNAEEL<br>SKARNFGKKS LEEIIEKLSS YQLFLGMSKE DALFVLSKNV KISE |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | rpoA  |
| <b>Protein Names</b>     | 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  |
| <b>Expression Region</b> | 1-344   |
| <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>Reconstitution</b>    | 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. |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.