



# Recombinant Thiobacillus ferrooxidans RNA polymerase sigma-54 factor (rpoN)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-BP333014TOA   |
| <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>       | P24695  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Acidithiobacillus ferrooxidans (Thiobacillus ferrooxidans)  |
| <b>Purity</b>            | ≥85% (SDS-PAGE)   |
| <b>Sequence</b>          | MKQGLELKLKLG QHLAMTPQLQ QAIRLLQLST VDLQQEVQGM LESNPLLDEE<br>TGDEGGGGPI PETVELPSEE RQLDLAAENI LPDELVPVDSQ WDDIFDMGTS<br>GSGNGSDEDL PDFESRNSRT QSLQDYLRWQ ADMTHFTADE RNMAELIIDA<br>IDERGYLADS LEDLAATMNV QEDALLAVLL RVQDFDPPGV GARNLSECLL<br>LQLKQMVVEKD DAHVLLAQRI VKDHLQALGR HDYPRLCTVL GVDEAALRAA<br>MALISALNPK PGEDVGTEST EYVIPDVIVR WAGSRLRTDL NPEAMPKLRI<br>NRHYADMAGG KDAAHKYIQD QLNEARWFIK SLQSRQDTIL KVARAIVERQ<br>KDFFANGPES MRPMVLRHIA DAVEMHESTV SRVTNQKYMI TPRGLYEFKY<br>FFSSHVGTDS GGSASATAIR ALLIKMTQAE DAQHPLSDAE IARVLADQGI<br>QIARRTVAKY REAANVPPAS QRRRL |
| <b>Source</b>            | Baculovirus   |
| <b>Target Names</b>      | rpoN  |
| <b>Protein Names</b>     | Recommended name: RNA polymerase sigma-54 factor  |
| <b>Expression Region</b> | 1-475   |
| <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.  |