



# Recombinant Escherichia coli Bifunctional purine biosynthesis protein PurH (purH)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-MP541710ENT   |
| <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>       | B1XC09  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Escherichia coli (strain K12 / DH10B)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | <p>           MQQRRPVRRRA LLSVSDKAGI VEFAQALSAR GVELLSTGGT ARLLAEKGLP<br/>           VTEVSDYTGF PEMMDGRVKT LHPKVHGGIL GRRGQDDAIM EEHQIQPIDM<br/>           VVVNLYPFAQ TVAREGCSLE DAVENIDIGG PTMVRSAAKN HKDVAIVVKS<br/>           SDYDAIKEM DDNEGSLTLA TRFDLAIKAF EHTAAYDSMI ANYFGSMVPA<br/>           YHGESKEAAG RFPRTLNLNF IKKLDMRYGE NSHQQAIFYI EENVKEASVA<br/>           TATQVQGKAL SYNNIADTDA ALECVKEFAE PACVIVKHAN PCGVAIGNSI<br/>           LDAYDRAYKT DPTSFAFGGII AFNRELDAET AQAIISRQFV EVIIAPSASE<br/>           EALKITAAKQ NVRVLTCGQW GERVPGLDFK RVNGGLLVQD RDLGMVGAE<br/>           E LRVVTKRQPS EQELRDALFC WKVAKFVKSNI AIVYAKNNMT IGIGAGQMSR<br/>           VYSAKIAGIK AADEGLEVKG SSMASDAFFP FRDGIDAAAA AGVTCVIQPG<br/>           GSIRDDEVIA AADEHGIAML FTDMRHFRH         </p> |
| <b>Source</b>            | Mammalian cell  |
| <b>Target Names</b>      | purH  |
| <b>Protein Names</b>     | Recommended name: Bifunctional purine biosynthesis protein PurH Including the following 2 domains: Phosphoribosylaminoimidazolecarboxamide formyltransferase EC= 2.1.2.3 Alternative name(s): AICAR transformylase IMP cyclohydrolase   |
| <b>Expression Region</b> | 1-529   |
| <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. 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.