



# Recombinant Escherichia coli CTP synthase (pyrG)

<b>Product Code</b>	CSB-YP006176ENU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	C4ZZT3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain K12 / MC4100 / BW2952)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MTTNYIFVTG GVVSSLGKGI AAASLAAILE ARGLNVTIMK LDPYINVDPG          TMSPIQHGEV FVTEDGAETD LDLGHYERFI RTKMSRRNNF TTGRIYSDVL          RKERRGDYLG ATVQVIPHIT NAIKERVLEG GEGHDVVLVE IGGTVGDIES          LPFLEAIRQM AVEIGREHTL FMHLTLVPYM AASGEVKTKP TQHSVKELLS          IGIQPDILIC RSDRAVPANE RAKIALFCNV PEKAVISLKD VDSIYKIPGL          LKSQGLDDYI CKRFSLNCPE ANLSEWEQVI FEEANPVSEV TIGMVGKYIE          LPDAYKSVIE ALKHGGLKNR VSVNIKLIDS QDVETRGVEI LKGLDAILVP          GGFGYRGVEG MITTARFARE NNIPYLGICL GMQVALIDYA RHVANMENAN          STEFVPDCKY PVVALITEWR DENGNEVRS EKSDLGGTMR LGAQQCQLVD          DSLVRQLYNA PTIVERHRHR YEVENMMLLKQ IEDAGLRVAG RSGDDQLVEI          IEVNPHPWFV ACQFHPEFTS TPRDGHPLFA GFVKAASEFQ KRQAK</p>
<b>Source</b>	Yeast
<b>Target Names</b>	pyrG
<b>Protein Names</b>	Recommended name: CTP synthase EC= 6.3.4.2 Alternative name(s): CTP synthetase UTP--ammonia ligase
<b>Expression Region</b>	1-545
<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.