



Recombinant Escherichia coli CTP synthase (pyrG)

Product Code	CSB-EP006176ENU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	C4ZZT3
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12 / MC4100 / BW2952)
Purity	>85% (SDS-PAGE)
Sequence	<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 CKRFSLNCP E 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>
Source	E.coli
Target Names	pyrG
Protein Names	Recommended name: CTP synthase EC= 6.3.4.2 Alternative name(s): CTP synthetase UTP--ammonia ligase
Expression Region	1-545
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.