



# Recombinant Escherichia coli O7:K1 CTP synthase (pyrG)

<b>Product Code</b>	CSB-MP006176EON
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	B7NV70
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli O7:K1 (strain IAI39 / ExPEC)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	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 IEVPNHPWFV ACQFHPEFTS TPRDGHPLFA GFVKAASEFQ KRQAK
<b>Source</b>	Mammalian cell
<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.