



Recombinant Escherichia coli O45:K1 CTP synthase (pyrG)

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| Product Code | CSB-MP006176EOK |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | B7MLA1 |
| Product Type | Recombinant Protein |
| Immunogen Species | Escherichia coli O45:K1 (strain S88 / ExPEC) |
| Purity | >85% (SDS-PAGE) |
| Sequence | 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 IEVPNHPWFV ACQFHPEFTS TPRDGHPLFA GFVKAASEFQ KRQAK |
| Source | Mammalian cell |
| 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. |