



Recombinant GTP pyrophosphokinase (relA)

Product Code	CSB-YP365393EGX
Storage	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.
Uniprot No.	P0AG21
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli O6:H1 (strain CFT073 / ATCC 700928 / UPEC)
Purity	>85% (SDS-PAGE)
Sequence	MVAVRSAHIN KAGEFDPEKW IASLGITSQK SCECLAETWA YCLQQTQGHP DASLLLWRGV EMVEILSTLS MDIDTLRAAL LFPLADANVV SEDVLRESVG KSVVNLHGV RDMAAIRQLK ATHTDSVSSE QVDNVRMMLL AMVDDFRCV IKLAERIAHL REVKDAPED RVLAAKECTN IYAPLANRLG IGQLKWELED YCFRYLHPT EYKRIAKLLHE RRLDREHYIE EFVGH LRAEM KAEGVKA EYV GRPKHIYSIW RKMQKKNLAF DELFDVRAVR IVAERLQDCY AALGIVH RHL PDEFDDY VANPKPNGYQ SIHTVVLGPG GKTVEIQIRT KQMHE DAELG VAAHWKYKEG AAAGGARS GH EDRIAWLRKL IAWQEEMADS GEMLDEVRSQ VFD DRVYVFT PKGDVVDLPA GSTPLDFAYH IHSDVGH RCI GAKIGGRIVP FTYQLQMGDQ IEITQKQPN PSRDWLNPNL GYV TTSRGRS KIHAWFRKQD RDKNILAGRQ ILDDELEHLG ISLKEAEKHL LPRYNFNDVD ELLAAIGGGD IRLNQMVNFL QSQFNKPSAE EQDAA ALKQL QKKSYPQNR SKDN GRVVVE GVG NLMHHIA RCCQPIPGDE IVGFITQGRG ISVHRADCEQ LAELRSHAPE RIVDAVWGES YSAGY SLVVR VVANDRSGLL RDIT TILANE KVNVLGVASR SDTKQQLATI DMTIEIYNLQ VLGRVLGKLN QVPDVIDARR LHGS
Source	Yeast
Target Names	relA
Protein Names	Recommended name: GTP pyrophosphokinase EC= 2.7.6.5 Alternative name(s): (p)ppGpp synthase ATP:GTP 3'-pyrophosphotransferase ppGpp synthase I
Expression Region	1-744
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

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