



# Recombinant Escherichia coli GTP pyrophosphokinase (relA)

<b>Product Code</b>	CSB-EP360357ENV-B
<b>Storage</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.
<b>Uniprot No.</b>	P0AG20
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain K12)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MVAVRSAHIN KAGEFDPEKW IASLGITSQK SCECLAETWA YCLQQTQGHP DASLLLWRGV EMVEILSTLS MDIDTLRAAL LFPLADANVV SEDVLRESVG KSVVNLHGV RDMAAIRQLK ATHTDSVSSE QVDNVRMMLL AMVDDFRCVV IKLAERIAHL REVKDAPEDE RVLAAKECTN IYAPLANRLG IGQLKWELED YCFRYLHPT EYKRIAKLLHE RRLDREHYIE EFGHLRAEM KAEGVKAIEVY GRPKHIYSIW RKMQKKNLAF DELFDVRAVR IVAERLQDCY AALGIVHHTY RHLDPDEFDDY VANPKPNGYQ SIHTVVLGPG GKTVEIQIRT KQMHEAELG VAAHWKYKEG AAAGGARS GH EDRIAWLRKL IAWQEEMADS GEMLDEVRSQ VFDDRYYVFT PKGDVVDLPA GSTPLDFAYH IHSDVGHRCI GAKIGGRIVP FTYQLQMGDQ IEIITQKQPN PSRDWLNPNL GYVTTSRGRS KIHAWFRKQD RDKNILAGRQ ILDDELEHLG ISLKEAEKHL LPRYNFNDVD ELLAAIGGGD IRLNQMVNFL QSQFNKPSAE EQDAAALKQL QKKSYPQNR SKDN GRVVVE GVG NLMHHIA RCCQPIPGDE IVGFITQGRG ISVHRADCEQ LAELRSHAPE RIVDAVWGES YSAGYSLVVR VVANDRSGLL RDITTILANE KVVNLGVASR SDTKQQLATI DMTIEIYNLQ VLGRVLGKLN QVPDVIDARR LHGS
<b>Source</b>	E.coli
<b>Target Names</b>	relA
<b>Protein Names</b>	Recommended name: GTP pyrophosphokinase EC= 2.7.6.5 Alternative name(s): (p)ppGpp synthase ATP:GTP 3'-pyrophosphotransferase ppGpp synthase I
<b>Expression Region</b>	1-744
<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.

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