



Recombinant Escherichia coli Guanosine-5'-triphosphate,3'-diphosphate pyrophosphatase (gppA)

Product Code	CSB-EP544754ENP-B
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.	B1IWC1
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain ATCC 8739 / DSM 1576 / Crooks)
Purity	>85% (SDS-PAGE)
Sequence	MGSTSSLYAA IDLGSNSFHM LVVREVAGSI QTLTRIKRKV RLAAGLNSEN ALSNEAMERG WQCLRLFAER LQDIPPSQIR VVATATLRLA VNAGDFIAKA QEILGCPVQV ISGEEEARLI YQGVAHTTGG ADQRLVVDIG GASTELVTGT GAQTTSLSL SMGCVTWLER YFADRNLGQE NFDAAEKAAR EVLRPVADEL RYHGWKVCVG ASGTVQALQE IMMAQGMDER ITLEKLQQLK QRAIHCGRLE ELEIDGLTLE RALVFPSGLA ILIAIFTELN IQCMTLAGGA LREGLVYGML HLAVEQDIRS RTLRNIQRRF MIDIDQAQRV AKVAANFFDQ VENEWHLEAI SRDLLISACQ LHEIGLSVDF KQAPQHAAYL VRNLDLPGFT PAQKLLATL LLNQTNPVDL SSLHQQNAVPRV AEQLCRL LRLAIFASR RRDDLVPENT LQANHELLTL TLPQGWLTPH PLGKEIIAQE SQWQSYVHWP LEVH
Source	E.coli
Target Names	gppA
Protein Names	Recommended name: Guanosine-5'-triphosphate,3'-diphosphate pyrophosphatase EC= 3.6.1.40 Alternative name(s): Guanosine pentaphosphate phosphohydrolase pppGpp-5'-phosphohydrolase
Expression Region	1-494
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,



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