



Recombinant Escherichia coli Bifunctional (p)ppGpp synthase/hydrolase SpoT (spoT)

Product Code	CSB-MP360359ENV
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.	P0AG24
Storage Buffer	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Product Type	Recombinant Proteins
Immunogen Species	Escherichia coli (strain K12)
Purity	≥85% (SDS-PAGE)
Sequence	MYLFESLNQL IQTYLPEDQI KRLRQAYLVA RDAHEGQTRS SGEPYITHPV AVACILAEMK LDYETLMAAL LHDVIEDTPA TYQDMEQLFG KVAELVEGV SKLDKLFKFRD KKEAQAENFR KMIMAMVQDI RVILIKLADR THNMRTLGS LPDKRRRIAR ETLEIYSPLA HRLGIHHIKT ELEELGFEAL YPNRYRVIKE VVKAARGNRK EMIQKILSEI EGRLQEAGIP CRVSGREKHL YSIYCKMVLK EQRFHSIMDI YAFRVIVNDS DTCYRVLGQM HSLYKPRPGR VKDYIAIPKA NGYQSLHTSM IGPHGVPVEV QIRTEDMDQM AEMGVAAHWA YKEHGETSTT AQIRAQRWMQ SLEELQQSAG SSFEFIESVK SDFPDEIYV FTPEGRIVEL PAGATPVDFA YAVHTDIGHA CVGARVDRQP YPLSQPLTSG QTVEIITAPG ARPNAAWLNF VVSSKARAKI RQLLKNLKR DSVSLGRRL NHALGGSRLK NEIPQENIQR ELDRMKLATL DLLLAEIGLG NAMSVVAKN LQHGDASIPP ATQSHGHLPI KGADGVLITF AKCCRPIPGD PIAHVSPGK GLVIHHESCR NIRGYQKEPE KFMAVEWDKE TAQEFITEIK VEMFNHQGAL ANLTAINTT TSNIQSLNTE EKDGRVYSAF IRLTARDRVH LANIMRKIRV MPDVIVTRN RN
Source	Mammalian cell
Target Names	spoT
Protein Names	Recommended name: Bifunctional (p)ppGpp synthase/hydrolase SpoT Including the following 2 domains: GTP pyrophosphokinase EC=2.7.6.5 Alternative name(s): (p)ppGpp synthase ATP:GTP 3'-pyrophosphotransferase Stringent response
Expression Region	1-702
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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