



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

<b>Product Code</b>	CSB-BP360359ENV
<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>	P0AG24
<b>Storage Buffer</b>	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Escherichia coli (strain K12)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MYLFESLNQL IQTYLPEDQI KRLRQAYLVA RDAHEGQTRS SGEPYITHPV AVACILAEMK LDYETLMAAL LHDVIEDTPA TYQDMEQLFG KSVAELEGGV SKLDKLFKFRD KKEAQAENFR KMIMAMVQDI RVILIKLADR THNMRTLGLS RPDKRRRIAR 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 RQLLNKLRD DSVSLGRRLN NHALGGSRLK NEIPQENIQR ELDRMKLATL DLLLAEIGLG NAMSVVAKN LQHGDASIPP ATQSHGHLPI KGADGVLITF AKCCRPIPGD PIAHVSPGK GLVIHHESCR NIRGYQKEPE KFMAVEWDKE TAQEFITEIK VEMFNHQGAL ANLTAINTT TSNIQSLNTE EKDGRVYSAF IRLTARDRVH LANIMRKIRV MPDVIKVTRN RN
<b>Source</b>	Baculovirus
<b>Target Names</b>	spoT
<b>Protein Names</b>	Recommended name: Bifunctional (p)ppGpp synthase/hydrolase SpoT Including the following 2 domains: GTP pyrophosphokinase EC= 2.7.6.5Alternative name(s): (p)ppGpp synthase ATP:GTP 3'- pyrophosphotransferase Stringent response
<b>Expression Region</b>	1-702
<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.

### 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.