



# Recombinant Bacillus subtilis PGA synthase CapB (capB)

<b>Product Code</b>	CSB-MP310637BRJ
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P96736
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Bacillus subtilis (strain 168)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MWLLIACAV ILVIGILEKR RHQKNIDALP VRVNINGIRG KSTVTRLTTG ILIEAGYKTV GKTTGTDARM IYWDTPEEKP IKRKPQGPNI GEQKEVMRET VERGANAVS ECMAVNPDYQ IIFQEELLQA NIGVIVNVLE DHMDVMGPTL DEIAEAFTAT IPYNGHLVIT DSEYTEFFKQ KAKERNTKVI IADNSKITDE YLRKFEYMFV PDNASLALGV AQALGIDEET AFKGMLNAPP DPGAMRILPL ISPSEPGHFV NGFAANDASS TLNIWKRKVE IGYPTDDPII IMNCRADRVD RTQQFANDVL PYIEASELIL IGETTEPIVK AYEEGKIPAD KLHDLEYKST DEIMELLKKR MHN RVIVGVG NIHGAAEPLI EKIHEYKVKQ LVS
<b>Source</b>	Mammalian cell
<b>Target Names</b>	capB
<b>Protein Names</b>	Recommended name: PGA synthase CapB EC= 6.3.2.- Alternative name(s): Gamma-polyglutamic acid synthase
<b>Expression Region</b>	1-393
<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.
<b>Shelf Life</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.