



Recombinant Bacillus subtilis PGA synthase CapB (capB)

Product Code	CSB-EP310637BRJ-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P96736
Product Type	Recombinant Protein
Immunogen Species	Bacillus subtilis (strain 168)
Purity	>85% (SDS-PAGE)
Sequence	MWLLIACAV ILVIGILEKR RHQKNIDALP VRVNINGIRG KSTVTRLTTG ILIEAGYKTV GKTTGTDARM IYWDTPEEKP IKRKPQGPNI GEQKEVMRET VERGANAVIS ECMAVNPDYQ IIFQEELLQA NIGVIVNVLE DHMDVMGPTL DEIAEAFTAT IPYNGHLVIT DSEYTEFFKQ KAKERNTKVI IADNSKITDE YLRKFEYMFV PDNASLALGV AQALGIDEET AFKGMLNAPP DPGAMRILPL ISPSEPGHFV NGFAANDASS TLNIWKRVE IGYPTDDPII IMNCRADRVD RTQQFANDVL PYIEASELIL IGETTEPIVK AYEEGKIPAD KLHDLEYKST DEIMELLKKR MHNRIYGVG NIHGAAEPLI EKIHEYKVKQ LVS
Source	E.coli
Target Names	capB
Protein Names	Recommended name: PGA synthase CapB EC= 6.3.2.- Alternative name(s): Gamma-polyglutamic acid synthase
Expression Region	1-393
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, 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.