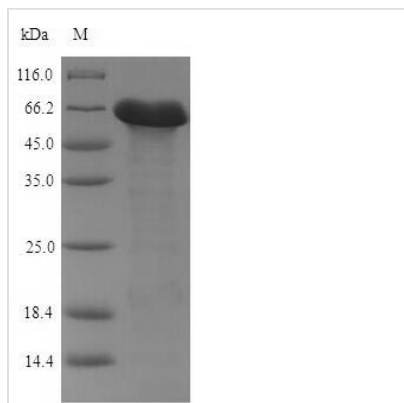




Recombinant Bacillus subtilis Penicillin-binding protein 4 (pbpE)

Product Code	CSB-EP333755BRJ
Relevance	Probably involved in peptidoglycan modification during cortex synthesis.
Abbreviation	Recombinant Bacillus subtilis pbpE protein
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.	P32959
Alias	PBP 4* Alternative name(s): PBP 4A Penicillin-binding protein E
Product Type	Recombinant Protein
Immunogen Species	Bacillus subtilis (strain 168)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MKQNKRKHLQTLFETLGEKHQFNQTVLAAEGGDILYHHSFGYAEMTEKRPLKT NSLFELASLSKPFTALGIILLEEKGILGYEDKVDRLWLPQFPYQGVITIRHLLNHTS GLPDYMGWFFANWDSHKIAVNQDIVDMLMNEGLSGYFEPNEGWMYSNTGYV LLAVIIEKASGMSYADFIKTSIFLPAGMNETRVYNRRLLSPERIDHYAYGYVYDVH SETYVLPDELEETNYVVYLDGIQGDGTVNSVTSDFRFDQALYQDDFISKASKE SAFSPVRLNNGETIDYGFQWVLQNSPEKGRIVSHSGGWPGYSTMMIRYIDHR KTLIYLSNKEEDTEYEQAILKAAEHILFGQPYDPPERPADKKKKKAITAISRYV GSYLLQDGTAAQVTTENERLYLEIAGQLRLELFPSSSETRFFLRALSVEVEFTLG EDAAKSFILYEDGSEEEAVRTK
Research Area	Microbiology
Source	E.coli
Target Names	pbpE
Protein Names	Recommended name: Penicillin-binding protein 4* Short name= PBP 4* Alternative name(s): PBP 4A Penicillin-binding protein E
Expression Region	1-451aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	67.4kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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.