# Recombinant Bacillus pumilus Cell division protein ZapA (zapA)

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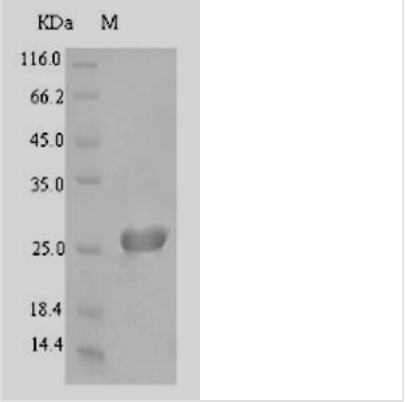
| **Product Code** | CSB-EP423441BOL |
| **Relevance** | Activator of cell division through the inhibition of FtsZ GTPase activity, therefore promoting FtsZ assembly into bundles of protofilaments necessary for the formation of the division Z ring. It is recruited early at mid-cell but it is not essential for cell division. |
| **Abbreviation** | Recombinant Bacillus pumilus zapA 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.** | A8FG14 |
| **Alias** | Z ring-associated protein ZapA |
| **Product Type** | Recombinant Protein |
| **Immunogen Species** | Bacillus pumilus (strain SAFR-032) |
| **Purity** | Greater than 90% as determined by SDS-PAGE. |
| **Sequence** | MSDGGKTKTTVEIYGQSYTIIGQETKMHMRHVASIVDDKMREINEKNPYLDINK LAVLTAVNVVHDYLKLKEQYEKLEIQLKEKE |
| **Research Area** | Others |
| **Source** | E.coli |
| **Target Names** | zapA |
| **Expression Region** | 1-85aa |
| **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** | 25.9kDa |
| **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**

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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.