



# Recombinant Pig F-actin-capping protein subunit alpha-2 (CAPZA2)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-EP641827PI-B  |
| <b>Abbreviation</b>      | CAPZA2  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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>       | Q29221  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Sus scrofa (Pig)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | ADLEEQLSD EEKVRIAAKF IIHAPPGEFN EVFNDVRLLL NNDNLLREGA<br>AHAFAYNLD QFTPVKIEGY EDQVLITEHG DLGNGKFLDP KNRICFKFDH<br>LRKEATDPRP YEAENAVESW RTSVETALRA YVKEHYPNGV CTVYGKKIDG<br>QQTIACIES HQFQAKNFWN GRWRSEWKFT ITPSTTQVVG ILKIQVHYE<br>DGNVQLVSHK DIQDSLTVSN EVQTAKEFIK IVEAAENEYQ TAISENYQTM<br>SDTTFKALRR QLPVTRTKID WNKILSYKIG KEMQNA   |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | CAPZA2  |
| <b>Protein Names</b>     | Recommended name: F-actin-capping protein subunit alpha-2<br>Alternative name(s): CapZ alpha-2  |
| <b>Expression Region</b> | 2-286   |
| <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 of Mature Protein   |
| <b>Target Details</b>    | This protein is a member of the F-actin capping protein alpha subunit family. It is the alpha subunit of the barbed-end actin binding protein Cap Z. By capping the barbed end of actin filaments, Cap Z regulates the growth of the actin filaments at the barbed end.   |
| <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.  |



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