



# Recombinant Mouse F-actin-capping protein subunit alpha-3 (Capza3)

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| <b>Product Code</b>      | CSB-EP004513MO-B   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P70190   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Mus musculus (Mouse)   |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MSLSVLSRKE KEKVIHRLLV QAPPGEFVNA FDDLCLLIRD EKLMHHQGEC<br>AGHQHCQKYC VPLCIDGNPV LLSHHNVMGD FRFFDYQSKL SFRFDLLQNNQ<br>LRDIQSHGII RNETEYLRV VMCALKLYVN DHYPNGNCNV LRKTVKSKEF<br>LIACIEDHSY DNGECWNLW KSKWIFQVNP FLTQVTGRIF VQAHHFRCVN<br>LHIEVSKDLK ESLEVVNQAQ LALS FARLVE EQENKFQAAV IEELQELSNE<br>ALRKILRRDL PVTRTLIDWQ RILSDLNLVM YPKLGYVIYS RSVLCNWII  |
| <b>Source</b>            | E.coli   |
| <b>Target Names</b>      | Capza3   |
| <b>Protein Names</b>     | Recommended name: F-actin-capping protein subunit alpha-3<br>Alternative name(s): CapZ alpha-3 Germ cell-specific protein 3  |
| <b>Expression Region</b> | 1-299  |
| <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>Target Details</b>    | This gene encodes an actin capping protein, one of the F-actin capping protein alpha subunit family. The encoded protein is predominantly localized to the neck region of ejaculated sperm, other immunohistochemical signals were found in the tail and postacrosomal regions. The encoded protein may also form heterodimers of alpha and beta subunits. This protein may be important in determining sperm architecture and male fertility. |
| <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.<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.   |