

Datasheet for ABIN7556671

CAPZA3 Protein (AA 1-299) (His tag)



[Go to Product page](#)

Overview

| | |
|-------------------------------|---|
| Quantity: | 1 mg |
| Target: | CAPZA3 |
| Protein Characteristics: | AA 1-299 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CAPZA3 protein is labelled with His tag. |
| Application: | Western Blotting (WB), SDS-PAGE (SDS) |

Product Details

| | |
|-----------|---|
| Purpose: | Custom-made recombinat Capza3 Protein expressed in mammalian cells. |
| Sequence: | <p>MSLSVLSRKE KEKVIHRLLV QAPPGFEVNA FDDLCLLIRD EKLMHHQGEC AGHQHCQKYC</p> <p>VPLCIDGNPV LLSHHNVMGD FRFFDYQSKL SFRFDLLQNQ LRDIQSHGII RNETEYLRSV</p> <p>VMCALKLYVN DHYPNGNCNV LRKTVKSKEF LIACIEDHSY DNGECWNLW KSKWIFQVNP</p> <p>FLTQVTGRIF VQAHFFRCVN LHIEVSKDLK ESLEVVNQAQ LALS FARLVE EQENKFQAAV</p> <p>IEELQELSNE ALRKILRRDL PVTRTLIDWQ RILSDLNLVM YPKLGYVIYS RSVLCNWII Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p> |

| | |
|------------------|---|
| Characteristics: | <p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts. |
|------------------|---|

Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

| | |
|---------|---|
| Purity: | > 90 % as determined by Bis-Tris Page, Western Blot |
|---------|---|

| | |
|--------|-------------|
| Grade: | custom-made |
|--------|-------------|

Target Details

| | |
|---------|--------|
| Target: | CAPZA3 |
|---------|--------|

| | |
|-------------------|--|
| Alternative Name: | Capza3 (CAPZA3 Products) |
|-------------------|--|

| | |
|-------------|--|
| Background: | F-actin-capping protein subunit alpha-3 (CapZ alpha-3) (Germ cell-specific protein 3),FUNCTION: F-actin-capping proteins bind in a Ca(2+)-independent manner to the fast growing ends of actin filaments (barbed end) thereby blocking the exchange of subunits at these ends. Unlike other capping proteins (such as gelsolin and severin), these proteins do not sever actin filaments. May play a role in the morphogenesis of spermatid. |
|-------------|--|

| | |
|-------------------|----------|
| Molecular Weight: | 35.0 kDa |
|-------------------|----------|

| | |
|----------|------------------------|
| UniProt: | P70190 |
|----------|------------------------|

| | |
|-----------|---|
| Pathways: | Regulation of Actin Filament Polymerization |
|-----------|---|

Application Details

| | |
|--------------------|--|
| Application Notes: | In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
|--------------------|--|

Application Details

Restrictions: For Research Use only

Handling

| | |
|------------------|--|
| Format: | Liquid |
| Buffer: | The buffer composition is at the discretion of the manufacturer. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -80 °C |
| Storage Comment: | Store at -80°C. |
| Expiry Date: | 12 months |