

# Recombinant Full Length Human CAPZA3 Protein, GST-tagged

**Cat. No.** CAPZA3-2852HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | Human CAPZA3 full-length ORF (AAH16745.1, 1 a.a. - 299 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 299 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</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. [provided by RefSeq, Jul 2008] |
| <b>Molecular Mass</b>   | 61.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MTLSVLSRKDKERVIRLLLLQAPPGEFVNAFDDLCLLIRDEKLMHHQGECAGHQHC<br>QKYSVPLCIDGNPVLLSHHNVMGDYRFFDHQSKLSFKYYLLQNQLKDIQSHGIIQNE<br>AEYLRVVLLCALKLYVNDHYPKGNCNMLRKT VKSKEYLIACIEDHNYETGECWNGL<br>WKSKWIFQVNPFLTQVTGRIFVQAHFFRCVNLHIEISKDLKESLEIVNQAQLALSFARL<br>VEEQENKFQAAVLEELQELSNEALRKILRRDLPVTRTLIDWHRILSDLNLVMYPKLG Y<br>VIYSRSVLCNWII                                                                                                                                             |

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| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                        |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                 |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                 |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                          |
| <b>Gene Name</b>        | CAPZA3 capping protein (actin filament) muscle Z-line, alpha 3 [ Homo sapiens ]                                                                                                                                          |
| <b>Official Symbol</b>  | CAPZA3                                                                                                                                                                                                                   |
| <b>Synonyms</b>         | CAPZA3; capping protein (actin filament) muscle Z-line, alpha 3; F-actin-capping protein subunit alpha-3; CAPPA3; Gsg3; CP-alpha-3; CapZ alpha-3; germ cell-specific protein 3; F-actin capping protein alpha-3 subunit; |
| <b>Gene ID</b>          | 93661                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>      | NM_033328                                                                                                                                                                                                                |
| <b>Protein Refseq</b>   | NP_201585                                                                                                                                                                                                                |
| <b>MIM</b>              | 608722                                                                                                                                                                                                                   |
| <b>UniProt ID</b>       | Q96KX2                                                                                                                                                                                                                   |