

# Recombinant Human CAPZA3 cell lysate

**Cat. No.** CAPZA3-280HCL    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <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. |
| <b>Size</b>           | 100 ul                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage Buffer</b> | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)                                                                                                                                                                                                                                                                                                                                      |
| <b>Applications</b>   | Western Blot;                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## GENE INFORMATION

|                        |                                                                                                                                                             |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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; CAPP3; Gsg3; CP-alpha-3; CapZ alpha-3; germ cell- |

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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         |
| <b>Chromosome Location</b> | 12p12.3        |
| <b>Function</b>            | actin binding; |

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