

## Product datasheet for **MC205063**

### Capza3 (NM\_007605) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Capza3 (NM\_007605) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Capza3  
**Synonyms:** 510-4; Cappa3; Gsg3; repro32; Tex8  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC049620  
 AGCATACTGCTCTAAAGCTTGAATGAGTAACACCTTGAATGGGCAAGGTATCCCATGGACCGTTTTCTCA  
 CCCTGTGAGCACCTTCATTTCCAGAAGCTTTGCTTCTGCTGCCACTGGCCATGCTACTCAGCGTCTTGAG  
 TAGGAAAAGAGAAAAGAGAAAGTCATCCACAGGCTTTAGTCCAGGCTCCTCCTGGGAAATTTGTGAATGCC  
 TTTGACGATCTCTGTCTGCTTATCCGAGATGAAAAGCTTATGCACCATCAGGGTGAGTGGCAGGCCATC  
 AGCACTGCCAAAAATACTGTGTCCCACTCTGCATCGACGGCAACCCAGTCTCCTGTCTCACCACAATGT  
 GATGGGTGACTTCCGCTTCTTTGACTACCAGAGCAAACCTTTCTTTGAGTTTGACTACTCCAGAATCAA  
 CTGAGGGATATCCAAAGTCACGGAATCATTGGAATGAGACCGAGTACCTAAGATCCGTTGTTATGTGTG  
 CCTTAAACTCTATGTGAATGATCACTACCCAAATGGAATTTGCAATGTGCTGAGAAAAACAGTCAAAG  
 CAAAGAATTTCTAATAGCTTGCATTGAAGACCACAGCTATGACAATGGAGAGTGTGGAACGGTCTTTGG  
 AAGTCTAAGTGGATCTTCCAGGTAACCCGTTTCTAACCCAAGTCACAGGGAGAATTTTTGTGCAAGCTC  
 ACTTCTTTAGGTGTGCAACCTTCATATTGAAGTCTCCAAGGACCTAAAGGAGAGCTTGGAGGTGGTCAA  
 TCAAGCCCAGTTGGCTCTCAGTTTCGCAAGGCTTGTGGAAGAACAAGAGAATAAGTTTCAAGCTGCTGTC  
 ATAGAAGAACTACAGGAGTTGTCTAACGAAGCCCTGAGAAAAATATTACGGAGGGATCTTCCAGTGACAC  
 GCACTTTGATTGACTGGCAACGGATCCTCTGACTTGAATCTGGTGATGTACCCCAAGTTAGGGTATGT  
 TATTTACTCAAGAAGTGTGTTGTGCAACTGGATAATATAAAAGGTTGCTGCTCCTGGTAAAAAAAATAAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Sfil-Sfil

**ACCN:** NM\_007605

**Insert Size:** 900 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC049620</a></u> , <u><a href="#">AAH49620</a></u>
<b>RefSeq Size:</b>	1077 bp
<b>RefSeq ORF:</b>	900 bp
<b>Locus ID:</b>	12344
<b>UniProt ID:</b>	<u><a href="#">P70190</a></u>
<b>Cytogenetics:</b>	6 69.77 cM
<b>Gene Summary:</b>	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.[UniProtKB/Swiss-Prot Function]