

## Product datasheet for **RN204065**

### Capza1 (NM\_001109625) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Capza1 (NM\_001109625) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Capza1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN204065 representing NM\_001109625  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGACTTCGAGGATCGGGTGTGGATGAGGAGAAGGTACGCATAGCCGCTAAATTCATCACCCATG  
CACCCCGAGGGGAGTTCAATGAAGTATTCAATGATGTCCGGCTACTGCTTAATAATGACAATCTTCTCAG  
GGAAGGGGCAGCACATGCATTTGCCAGTATAACATGGATCAGTTCACACCTGTGAAGATAGAAGGCTAC  
GACGACCAGGTCTTAATTACAGAGCATGGCGACCTTGGTAACAGCAGATTTTTAGATCCAAGAAAACAAA  
TTTCCTTTAAGTTTGATCATTTACGAAAAGAAGCGAGTGACCCGAGCCAGAGGATGTGGATGGAGGCTT  
GAAGTCTTGGAGAGACTCGTGTGACAGTGCAGTGCAGAGCCTATGTGAAAGATCATTATTCACCGCTTC  
TGTACTGTTTACGCTAAAACCATAGATGGACAGCAGACCATTATTGCATGTATTGAAAGCCACCAGTTTC  
AACCCAAAACCTCTGGAATGGTCGTTGGAGATCAGAGTGGAAGTTCACCATCACACCACCTACAGCCCA  
GGTGGTTGGAGTGTCAAGATTCAGGTTTATTATGAAGATGGCAATGTTAGCTGGTTAGTCATAAA  
GATGTGCAGGACTCAGTAACTGTTTCTAATGAAGTCCAACTGCCAAGGAGTTTATTAATCATAGAGA  
GTGCAGAAAATGAGTATCAGACAGCAATTAGTAAAATTATCAAATATGTCAGACACCAGTTCAAGGC  
CTTGCCCGGCAGCTTCCAGTTACCCGCACAAAATCGACTGGAACAAGATACTCAGTTACAAGATTGGC  
AAAGAAATGCAGAATGCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001109625  
**Insert Size:** 861 bp



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<b>OTI Disclaimer:</b>	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).
<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>NM_001109625.2</u> , <u>NP_001103095.2</u>
<b>RefSeq Size:</b>	3256 bp
<b>RefSeq ORF:</b>	861 bp
<b>Locus ID:</b>	691149
<b>UniProt ID:</b>	<u>B2GUZ5</u>
<b>Cytogenetics:</b>	2q34
<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 formation of epithelial cell junctions.[UniProtKB/Swiss-Prot Function]