

Product datasheet for **RN213590**

Capza2 (NM_001009180) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Capza2 (NM_001009180) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Capza2
Synonyms:	MGC124519
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN213590 representing NM_001009180 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAACTACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGATCTGGAGGAGCAGTTGTCCGATGAGGAGAAGGTACGTATAGCAGCAAATTCATCATTATG
CCCCTCTGGAGAATTTAATGAGGTTTTAATGATGTTTCGATTATTGCTTAATAATGATAATCTTCTCAG
GGAAGGAGCAGCACATGCATTTGCACAGTATAACCTGGACCAGTTTACACCAGTAAAAATTGAAGGCTAT
GAAGATCAGGTCTTGATAACAGAACATGGAGACTTGGGAAATGGAAAATTTTGGATCCAAAAACAGAA
TCTGTTTCAAATTTGATCATTTAAGAAAAGAAGCAACTGATCCAAGGCCCTATGAAGCAGAAAATGCCAT
TGAATCCTGGAGAACTTCAGTAGAACTGCACTGCGAGCTTATGTAAAAGAGCATTATCCCAATGGGGTC
TGCACTGTGTATGGCAAAAAAGTAGATGGGCAGCAAACCATTTGTCATGCATCGAAAGCCATCAGTTTC
AAGCAAAAACTTTTGAATGGTCGTTGGAGGTCAGAGTGGAAGTTTACAGTCACTCCTTCCACCACCCA
GGTGGTTGGCATTTTGAATTCAGGTTTATTATGAAGATGGTAATGTTTCAGCTAGTGAGTCATAAA
GATATACAAGATTCCTCACAGTATCTAATGAGGTGCAACAGCAAAAGAATTTATAAGATTGTAGAAG
CTGCAGAAAATGAATACCAGACTGCCATCAGTGAGAACTATCAGACAATGTCGGACACTACCTTCAAAGC
CTTACGTCGACAGTTGCCAGTGACACGTAAGATCGACTGGAACAAGATCCTTAGCTACAAGATTGGC
AAAGAGATGCAGAATGC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001009180
Insert Size:	861 bp



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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).
Components:	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).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
RefSeq:	<u>NM_001009180.2</u> , <u>NP_001009180.1</u>
RefSeq Size:	2351 bp
RefSeq ORF:	861 bp
Locus ID:	493810
UniProt ID:	<u>Q3T1K5</u>
Cytogenetics:	4q21
Gene Summary:	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 (By similarity).[UniProtKB/Swiss-Prot Function]