

Product datasheet for **MG203893**

Capza1 (NM_009797) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Capza1 (NM_009797) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Capza1
Synonyms:	Cappa1; CAPZ; capZ alpha-1; CAZ1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203893 representing NM_009797 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGACTTTGAGGATCGGGTGTCCGATGAAGAGAAGGTCCGCATAGCCGCTAAATTCATCACCCATG
CACCCCAGGGGAGTTTAAATGAAGTATTCAATGATGTCCGGCTACTGCTTAACAATGACAATCTCCTCAG
GGAAGGGGCAGCACATGCATTTGCCAGTATAACATGGATCAGTTCACACCCGTGAAGATAGAAGGCTAC
GATGACCAGGTCTTAATTACAGAGCATGGTGACCTTGGTAACAGCAGATTTTAGATCCAAGAAACCAA
TTTCCTTTAAGTTCGATCATTTACGAAAGAAGCAAGTGACCCGCAGCCAGAGGATGTGGATGGAGGCTT
GAAGTCTTGGAGGGAGTGTGTGACAGTCTCTGAGAGCCTATGTGAAAGATCATTATTCCAACGGCTTC
TGTAAGTGTGTTACGCTAAAATATAGATGGGCAACAGACCATTATTGCATGTATTGAAAGCCACAGTTTC
AACCAAAAACTTCTGGAATGGTCGCTGGAGATCAGAGTGAAGTTCACCATCACACCACCTTCAGCCCA
GGTGGTTGGAGTACTCAAGATTCAGTTTATTATGAAGATGGCAATGTTTCAGCTGGTTAGTCATAAA
GATGTGCAGGACTCAGTAACTGTTTCTAATGAAGTCCAACTACCAAGGAGTTTATTAATCATAGAGA
GTGCAGAAAATGAGTATCAGACAGCAATTAGTAAAATACCAAACTATGTCAGACACCAGTTCAAGGC
CTTGCCCGGCAGCTTCCAGTTACCCGCACCAAAATCGACTGGAACAAGATACTCAGTTACAAGATTGGC
AAAGAAATGCAGAATGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203893 representing NM_009797
 Red=Cloning site Green=Tags(s)

MADFEDRVSDEEKVRIA AKFITHAPPGEFNEVFNDVRLLLNNDNLLREGAAHAF AQYNMDQFTPVKIEGY
 DDQVLI TEHGD LGNSRFLDPRNQISFKFDHLRKEASDPQPEDVDGGLKSWRESCDSALRAYVKDHYSNGF
 CTVYAKTIDGQQTIIACIESHQFQPKNFWNGRWRSEWKF TITPPSAQVVGVLKIQVHYEDGNVQLVSHK
 DVQDSVTYSNEVQTTKEFIKIIEAENEYQT AISENYQ TMSD TTFKALRRQLPVTRTKIDWNKILSYKIG
 KEMQNA

TRTRPLE - GFP Tag - V

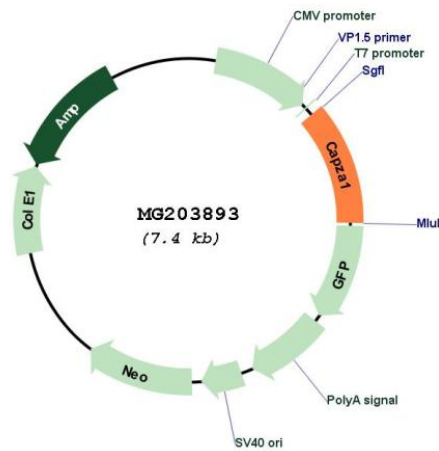
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_009797

ORF Size: 858 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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:	NM_009797.1 , NP_033927.1
RefSeq Size:	2948 bp
RefSeq ORF:	861 bp
Locus ID:	12340
Cytogenetics:	3 45.88 cM