

Product datasheet for **MG205279**

Capg (NM_007599) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Capg (NM_007599) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Capg
Synonyms: gCap39; mbh1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG205279 representing NM_007599
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTACACACCCATCCCTCAGAGTGGCTCTCCATCCCGGCTCAGTCCAAGACCCAGGCCTACACATAT
 GGCGTGTGGAGAAGCTGAAGCCAGTGCCCATAGCACGAGAGGCCATGGCATCTTTTTCTCTGGGGACTC
 CTACCTAGTGCTTACAATGGCCAGAGGAGGCCATCCCATCTGCACCTGTGGATAGGCCAGCAGTCTCC
 CGGGATGAGCAGGGGCCCTGTGCAGTGTGGCTGTGCATCTCAACACCCTGCTGGGGAGCGCCAGTGC
 AGCACCGTGAGGTTCAAGGCAATGAGTCTGACCTCTTCATGAGCTACTTCCACGAGGCCTCAAGTACCG
 GGAAGGTGGTGTAGAGTCGGCATTTCACAAGACAACCTCGGGCGCCACCCAGCAGCCATCAGGAAGCTC
 TACCAGGTTAAGGGGAAGAAGAATCCGTGCGACCGAGAGGGCTCTGAGCTGGGACAGCTTCAACACTG
 GGGACTGCTTCATCCTGGACCTGGGTGAGAATCTTTGCCTGGTGTGGTGGAAAGTCCAACATCCTCGA
 GCGCAACAAGGCGAGGGACCTGGCCCTGGCCATCAGGGACAGCGAGCGGCAGGGCAAGGCCAGGTGGAA
 ATCATCACTGATGGAGAGGAGCCAGCCGAGATGATTCAAGTCTGGGCCCAAGCCTGCTCTGAAGGAGG
 GCAACCCGAGGAAGACATTACAGCTGACCAGACCAACGCCAGGCCGAGCCCTGTATAAGGTCTCTGA
 TGCCACTGGACAGATGAATCTGACCAAGGTGGCTGACTCCAGCCCTTTTGCCTCTGAAGTCTAATTCCA
 GATGACTGCTTTGTTCTGGACAATGGGCTGTGTGGCAAATCTACATCTGGAAGGGGAGAAAAGCTAATG
 AGAAAGAGCGGCAGGCAGCCCTCCAAGTGGCTGATGGCTTCATCTCTCGAATGAGGTATTCCCAACAC
 TCAGGTGGAGATACTGCCCCAGGCCGAGAGAGTCCCATCTTCAAGCAATTCTTCAAGAACTGGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205279 representing NM_007599
 Red=Cloning site Green=Tags(s)

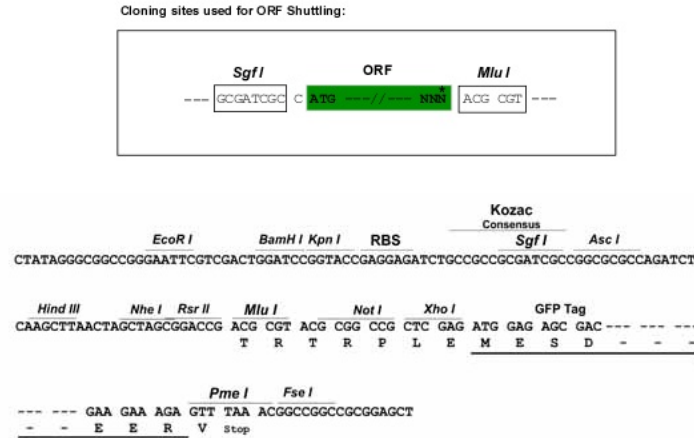
MYTPIPQSGSPFPASVQDPGLHIWRVEKLPVPIARESHGIFFSGDSYLVLHNGPEEASHLHLWIGQSS
 RDEQGACAVLAVHLNLTLLGERPVQHREVQGNESDLFMSYFPRGLKYREGGVEFAFHKTTSGATPAAIRKL
 YQVKGKKNIRATERALSWSFNFTGDCFILDLGQNIFAWCGGKSNILERNKARDLALAIRDSERQGAQVE
 IITDGEIPAEMIQVLGPKPALKEGNPEEDITADQTNAAQAAALYKVS DATGQMNLTKVADSSPFASELLIP
 DDCFVLDNGLCGKIYIWKGRKANEKERQAALQVADGFI SRMRYSPNTQVEILPQGRESPIFKQFFKNWK

TRTRPLE - GFP Tag - V

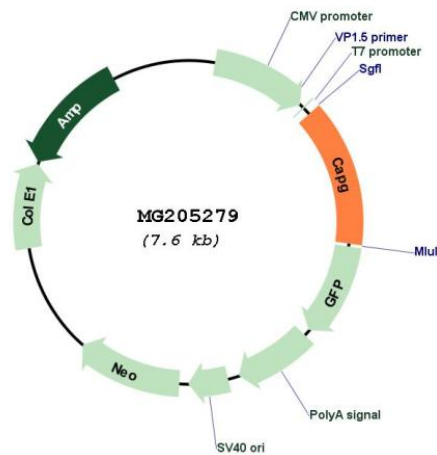
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_007599

ORF Size: 1047 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_007599.2 , NP_031625.2
RefSeq Size:	1195 bp
RefSeq ORF:	1050 bp
Locus ID:	12332
Cytogenetics:	6 C1