

## Product datasheet for MR205279

### Capg (NM\_007599) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Capg (NM_007599) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Capg
Synonyms:	gCap39; mbh1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205279 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTACACACCCATCCCTCAGAGTGGCTCTCCATCCCGGCTCAGTCCAAGACCCAGGCCACACATAT  
GGCGTGTGGAGAAGCTGAAGCCAGTGCCCATAGCACGAGAGGCCATGGCATCTTTTCTCTGGGGACTC  
CTACCTAGTGCTTACAATGGCCAGAGGAGGCCATCCCATCTGCACCTGTGGATAGGCCAGCAGTCTCC  
CGGGATGAGCAGGGGGCCTGTGCAGTGTGGCTGTGCATCTCAACACCCTGCTGGGGAGCGCCAGTGC  
AGCACCGTGAGGTTCAAGGCAATGAGTCTGACCTCTTCATGAGCTACTTCCACGAGGCCCAAGTACCG  
GGAAGGTGGTGTAGAGTCGGCATTTCACAAGACAACCTCGGGCGCCACCCAGCAGCCATCAGGAAGCTC  
TACCAGGTTAAGGGGAAGAAGAATCCGTGCGACCGAGAGGGCTCTGAGCTGGGACAGCTTCAACACTG  
GGGACTGCTTCATCCTGGACCTGGGTGAGAATCTTTGCCTGGTGTGGTGGAAAGTCCAACATCCTCGA  
GCGCAACAAGGCGAGGGACCTGGCCCTGGCCATCAGGGACAGCGAGCGGCAGGGCAAGGCCAGGTGGAA  
ATCATCACTGATGGAGAGGAGCCAGCCGAGATGATTCAAGTCTGGGCCCAAGCCTGCTCTGAAGGAGG  
GCAACCCCGAGGAAGACATTACAGCTGACCAGACCAACGCCAGGCCGACGCCCTGTATAAGGTCTCTGA  
TGCCACTGGACAGATGAATCTGACCAAGGTGGCTGACTCCAGCCCTTTTGCCTCTGAAGTCTAATTCCA  
GATGACTGCTTTGTTCTGGACAATGGGCTGTGTGGCAAATCTACATCTGGAAGGGGAGAAAAGCTAATG  
AGAAAGAGCGGCAGGCAGCCCTCCAAGTGGCTGATGGCTTCATCTCGAATGAGGTATTCCCAACAC  
TCAGGTGGAGATACTGCCCCAGGCCGAGAGAGTCCCATCTTCAAGCAATTCTTCAAGAAGTGGAAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205279 protein sequence  
Red=Cloning site Green=Tags(s)

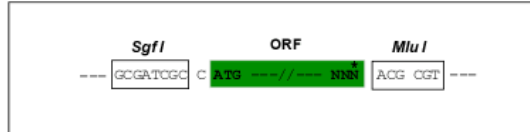
MYTPIPQSGSPFPASVQDPGLHIWRVEKLPVPIARESHGIFFSGDSYLVLHNGPEEASHLHLWIGQSS  
 RDEQGACAVLAVHLNLLGERPVQHREYVQGNESDLFMSYFPRGLKYREGGVEAFHKTTSGATPAAIRKL  
 YQVKGKKNIRATERALSWDSFNTGDCFILDLGQNIFAWCGGKSNILERNKARDLALAIRDSERQGAQVE  
 IITDGEIPAEMIQVLGPKPALKEGNPEEDITADQTNAQAAALYKVS DATGQMNLTKVADSSPFASELLIP  
 DDCFVLNGLCGKIYIWKGRKANEKERQAALQVADGFI SRMRYSPNTQVEILPQGRESPIFKQFFKNWK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_007599

**ORF Size:** 1050 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:**
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](#), [NM\\_007599.3](#), [NM\\_007599.4](#), [NP\\_031625.2](#)

**RefSeq Size:** 1247 bp

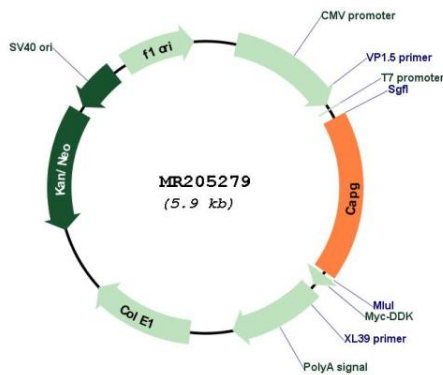
**RefSeq ORF:** 1050 bp

**Locus ID:** 12332

**Cytogenetics:** 6 C1

**MW:** 38.8 kDa

**Product images:**



Circular map for MR205279