

Product datasheet for MR229413

Capg (NM_001271395) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Capg (NM_001271395) 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:	>MR229413 representing NM_001271395 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTACACACCCATCCCTCAGAGTGGCTCTCCATCCCGGCTCAGTCCAAGACCCAGGCCACACATAT
GGCGTGTGGAGAAGCTGAAGCCAGTGCCCATAGCACGAGAGGCCATGGCATCTTTTCTCTGGGGACTC
CTACCTAGTGCTTACAATGGCCAGAGGAGGCCATCCCATCTGCACCTGTGGATAGGCCAGCAGTCTCC
CGGGATGAGCAGGGGGCCTGTGCAGTGTGGCTGTGCATCTCAACACCCTGCTGGGGAGCGGCCAGTGC
AGCACCGTGAGGTTCAAGGCAATGAGTCTGACCTCTTCATGAGCTACTTCCACGAGGCCCAAGTACCG
GGAAGGTGGTGTAGAGTCGGCATTTCACAAGACAACCTCGGGCGCCACCCAGCAGCCATCAGGAAGCTC
TACCAGGTTAAGGGGAAGAAGAATCCGTGCGACCGAGAGGGCTCTGAGCTGGGACAGCTTCAACACTG
GGGACTGCTTCATCCTGGACCTGGGTGAGAATCTTTGCCTGGTGTGGTGGAAAGTCCAACATCCTCGA
GCGCAACAAGGCGAGGGACCTGGCCCTGGCCATCAGGGACAGCGAGCGGCAGGGCAAGGCCAGGTGGAA
ATCATCACTGATGGAGAGGAGCCAGCCGAGATGATTCAGGTTCTGGGCCCAAGCCTGCTCTGAAGGAGG
GCAACCCCGAGGAAGACATTACAGCTGACCAGACCAACGCCAGGCCGACGCCCTGTATAAGGTCTCTGA
TGCCACTGGACAGATGAATCTGACCAAGGTGGCTGACTCCAGCCCTTTTGCCTCTGAAGTCTAATTCCA
GATGACTGCTTTGTTCTGGACAATGGGCTGTGTGGCAAAATCTACATCTGGAAGGGGAGAAAAGCTAATG
AGAAAGAGCGGCAGGCAGCCCTCCAAGTGGCTGATGGCTTCATCTCGAATGAGGTATTCCCAACAC
TCAGGTGGAGATACTGCCCCAGGCCGAGAGAGTCCCATCTTCAAGCAATTCTTCAAGAACTGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229413 representing NM_001271395
 Red=Cloning site Green=Tags(s)

MYTPIPQSGSPFPASVQDPGLHIWRVEKLPVPIARESHGIFSGDSYLVLHNGPEEASHLHLWIGQSS
 RDEQGACAVLAVHLNLTLLGERPVQHREVQGNESDLFMSYFPRGLKYREGGVEAFHKTTSGATPAAIRKL
 YQVKGKKNIRATERALSWDSFNTGDCFILDLGQNIFAWCGGKSNILERNKARDLALAIRDSERQGAQVE
 IITDGEEPAEMIQVLGPKPALKEGNPEEDITADQTNAQAAALYKVS DATGQMNLTKVADSSPFASELLIP
 DDCFVLNGLCGKIYIWKGRKANERQAALQVADGFI 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_001271395

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:**
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_001271395.1](#), [NP_001258324.1](#)

RefSeq Size: 1393 bp

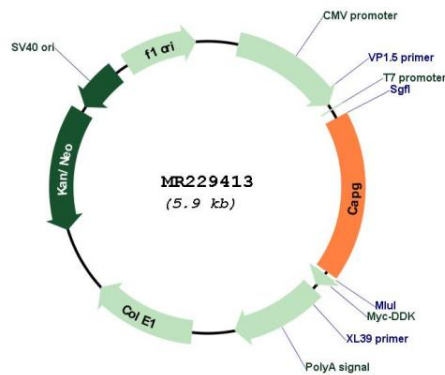
RefSeq ORF: 1050 bp

Locus ID: 12332

Cytogenetics: 6 C1

MW: 38.8 kDa

Product images:



Circular map for MR229413