

Product datasheet for **MG213656**

Ncapg (NM_019438) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ncapg (NM_019438) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ncapg
Synonyms:	5730507H05Rik; Hcapg; MFT.M05.13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG213656 representing NM_019438 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCGCAGAAGAAGCGGCTTTCTGTGAAGGAGGCGTTTCAGCTGGCGCAGCAGCCGCACCAGAACC
AGGCGAAGCTGGTGGCGCTGAGCCGCACGTACGGCGCGATGGATGATAAAACAGCTTTTCAGGAGGA
GTTTATTCATTACCTTAAGTATGCTATGGTGGTATATAAGCGTGAACCTGCCGTGGAGAGGGTTCATGGAC
TTCACAGCCAAGTTTGTACTTCATTTACCAGTCTGATGAGGAAGAAGAGGAGGAAGAGAACGATGGT
GCATTTTAAATTATTTGTTTACTTTCTTACAGTCTCATGAAGCAAACAGCAGTGCAGTCAGATTTAG
AGTGTGCCAGCTCACTAATAAACTACTTGGGAATATGCCAGAAAATGCCCAAATTGATGATGACTTATTT
GATAAGATTAATGAAGCCATGCTAATTAGATTGAAAGATAAGATTCCAAATGTAAGAATACAAGCAGTTT
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GCTGAAATAAAAGTTAACTTATTGAGGCTAAAGAAGCTTTGGAAAATTGCATTGCTGTACAAGATTTTG
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 AGACGAGCCAAAACAGCTGCGCTACAGAAAAGTAACTTAACCTTGCAGAGTTCCTAATGAAGATACAA
 GT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG213656 representing NM_019438
 Red=Cloning site Green=Tags(s)

MAAQKRLSVKEAFQLAQPHQNAKL VVALSRTYGAMDDKTAQEEFIHYLYAMVVYKREPAVERVMD
 FTAKFVTSFHQSDEEEEEENDGGILNYLFTFLLQSHEANSSAVRFRVCQLTNKLLGNMPENAQIDDDL
 DKINEAMLIRLKDIPNVRIQAVLALSRLQDPKDDDCPVVDAYVNVNIENDSNPEVRRAVLSIAPSAKTL
 SKIVGRTKDIKDTVRKLAYQVLAEKVHMRAMSIQRVLLQQGLNDRSDAVKQAVQKHLQGWLRFTEGN
 ILEFLHRLDVENSSDVAVSVLHSLFSMTPLSELVGICKNDDGRKLIPVETLTPEIALYWCTLCEYLRSKG
 DEGEFLEQILPEPAVYAEYLLSYIQGFPVNEEQKGFDFIGDLMKREFIGQQLILIMKSLDTSEEGGR
 KRLLAILQETLILPTTPI SLVSLIVERLLHIIRDDNERIQIVTEI ISEIRAPIVNVVDPDTRKKELKM
 AEIKVKLIEAKEALENCIAVQDFDQASKLKEEIKILEDALINLLKETEQLIKEVHTEKNDALQKCLV
 LCYELLKQMSSTGITATMNGIIESLILPGIISVHPVIRNLAVLCLGCCGLQNRDFASKHFMLFLQVLI
 DDVTIKISALKAIIDQLMMFGIEPFKTKVKGVCQEGEEINCHDKQEENDAGETDPAKSVLKLSDFLDS
 EVSELRTGAAEGLAKLMFSGLLVSSRILSRLILLWYNPVTEEDVRLRHCLGVFFPMFAYANRTNQECEE
 AFIPTVQTLANAPVSSPLAEVDVTNVVELLVDLTRPSRLNPKAKNSQDYQALTVHDNLAIKICNEILTSP
 CSPENRVYTKALSLVELSSNVTKDLLLLLDEILEHVTDRTCLRALEKIKSQLGKGKESDPGVVTQDVNT
 TTAVLQNEEYMPVRDGGKGTQTSKSTQGKSKRGCRKAPVSSKTNRRRQIAGPDESSEHPPSEMMLRLP
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TRTRPLE – GFP Tag – V

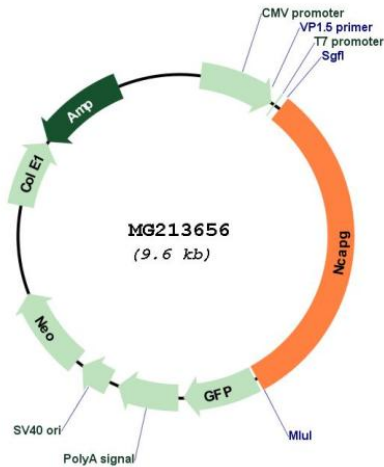
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_019438

ORF Size: 3012 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:	<u>NM_019438.1</u> , <u>NP_062311.1</u>
RefSeq Size:	3698 bp
RefSeq ORF:	3015 bp
Locus ID:	54392
Cytogenetics:	5 B3