

Product datasheet for **MG210555**

C6 (NM_016704) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C6 (NM_016704) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C6
Synonyms:	AW111623
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MG210555 representing NM_016704
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGACCAGACATCTCACCTTGTGTTTCATTTTGTCTGGTCATGCTGATTGACAAGAGTGAAGCCTGTTTCT
GTGACCACTACCCATGGACTCACTGGTCCAGCTGTTCTAAGTCCTGCAATTCTGGAACCCAGAGCAGACA
GAGACAAGTAGTAGTGAACGATTACTATTGGAAAACTTATGCGATAAGCTTTGTATCAAGCAGGAGACC
AGAGAGTGCAACTGCAGACATGTCCCATCAACTGTGTCTAGGAGACTATGGGACATGGTCAGACTGTG
ACCCTTGTACTGAAAAACAGGTTAAAGTAAATCTGTCTGCGCCCAAGTCAGTTTGGGGGGCAACCATG
CACAGAGCCCCTGGTGACCTTTCAACCATGTGTCCCTCCAAGCTCTGCAAAATTGAAGAGACTAACTGC
AAGAATAAGTTCCTCTGTGACAGTGGGCGCTGTATCCAGCAAGTTAGAATGCAATGGAGAGAATGACT
GTGGAGACAATTCAGATGAAAGGAACTGTGGGAGGACAAAGCCAGTGTGCACACGGATATACACTCCCAT
CCCTAGTGTGACGCTGATGGGCACTGGGTTTCATTTTCTGGCAGGAGAGCCAGAGGAGAAGTTCCTGAC
AACTCTTTCAGTGGAGGAATATGTAACCTGTCAAGACCAGTCGAGCCAGTAATCCATACCGTGTTCAG
CCAATCTGGAAAAATGCAACTTTGAGGTACAACTATAGAAGATGACTTGAAAAACAAGTTCACAAGAA
TTAATCTCTTTTAAAAAATAAAAAATGAAGACAGTCTTTCAGTGGATGAAAGGACAAAATTTTCCCT
ATACCAATTTTCCATTTCTCAGAGAAAAATGAACATTCCTCATTATAGCTCTGCCTTCAACAAAGTCATTA
AAGTTCACCAAGAAGGATTCTAGCTTATCAGGATCCATAAGCTGATAAAAGTCTTAACTTCACAAAT
GAAAGCAACAGACCTACAGCTTTCAGATGTCTTCTGAAAGCCCTGTCCACCTGCCTTTAGAATACAAC
TCTGCTGTGTACAGCCGGATATTTGATGACTTCGGGACCCACTACTTCACCTCAGGCTCCCTTGGGGCA
AGTATGACCTTATCTACCAATTCAGCCGAGGACTACAGAAGTCAAGGTTTAAACAAGAAAGAAAGTCA
AAACTGTGTCCAGTATGAAACAAAGAACTTAAAGTTTCTTATATGGAAATACACAAGGAAGACAGTGC
ACCAAAAAACAAGCTGTCTGAAAAATATGGAGGTTCTTTTTGCAGGGATCAGAGAAATCCATTTCCCTGG
TCCAGGGCGGGAGGAGTCAAGCAGCAGCAGCCTTGGCTTGGGAGAAGGGCACCTCTGGTCCAGAGGAGAA
TGTCTATTCTGAGTGGCTAGAATCGGTGAAGGAAAACCTGCTGTAGTTGATTATAAGCTTGCCCAATT
ACAGACTTGGTCAGAAACATCCCATGTGCAGTGACAAAACGGAACAACCTCAGGAGAGCGCTTCAAGAGT
ATGCAGCCAAGTTTGACCCTTGCCAGTGTCTCCATGTCCAATAATGGCCGCCAGGCTCTCAGGCAC
GGAATGCCTGTGTGTGCCAGAGCGGCACCTACGGTGAAGAACTGTGAGCGCAGGTCACAGGTTACAAA
TCTGATGCAGTGGATGGAAGTGGGGCTGCTGGTCTTCTGGAGTGCCTGCAATGCTGCTTATAGGAGAT
CAAGAACCCGAGAGTGTAAATACCCTGCGCCACAGCGAGGAGGACAAAGCTGTGGTGGCAAGGATCAGCA
AGAAGAAGACTGTACAGTCTCAATAATGAAAAATGTTGGACAACCATGTATCAATGATGATGAAGAAATG
AAAGAAGTAGACCTTGTGAGCCAGAAGCAGAATCAGGGTGTCTCAACCACCTCTCCAGAAAACGCAT
TTACCTGGAAATGAGAAGAACTGTACTCAGTGGGGAGGAAGTTGAAATTCATGTCTTACTGGATTAC
AGCTGTTGGATTCCAGTACTTGAGATGTTTACCAGACAGAACCTGGAGTCAAGGAGATGTGGATGCCAA
AGGACCTCGTGCCTCAAGCCGTTGTTCCAGGATGTCTGACCATCTCCCATTTCCAGAGAGTGTATCAGA
TTGGGGAAATCCATTGAGCTGACATGCCCCAGAGGCTTTGTTGTTGCTGGACCATCAAGGTATACATGCAA
GGAAGACTCCTGGACACCTCCCATTTCAAATTCATTGACCTGTGAACAAGGTGTGAGAGACCATCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210555 representing NM_016704
 Red=Cloning site Green=Tags(s)

MTRHLTLCFILLVMLIDKSEACFDHYPWTHWSSCSKSCNSGTQSRQRQVVVNDYYWKNLCKDKLCKIQT
 REC�LQTCPINCVLGDYGTWSDCDPCTEKQVKVKSVLRLPSQFGGQPCTEPLVTFQPCVPSKLCCKIEETNC
 KNKFLCDSGRICIPSKLECNGENDCGDNNDERNCGRTPVCTRIYTPISVQLMGTGFHFLAGEPRGEVLD
 NSFTGGICKLVKTSRASNPYRVSANLENVNFVQTIEDDLKTEFYKNLISFEKNKNEDSLVDERTKFFP
 IPIHFHSEKNEHSHYSSAFNKVIKASHKKDSSFIRIHKLIKVLNFTMKATDLQLSDVFLKALVHLPLEYN
 SAVYSRIFDDFGTHYFTSGSLGGKYDLIYQFSRQELQNSGLTEEEAQNCVQYETKKLFLYMEIHKEDTC
 TKNKLSEKYGGSFLLQGSEKISLVQGGRSQAAAALAWEKGTSGPEENVYSEWLESVKENPAVVYDYLAPI
 TDLVRNIPCAVTKRNNLRALQEYAAKFDPCQCAPCPNNGRPRLSGTECLCVCQSGTYGENCERRSPGYK
 SDAVDGNWGCWSSWSACNAAYRRSRTRECNAPQRGGQSCGGKDQEEEDCTVSIMENVGQPCINDDEEM
 KEVDLAEPEAESGCSQPPLPENAFWTNEKKLYSGEEVEISCLTGFTAVGFQYLRLCLPDRTWSQGDVEQC
 RTSCLKPVVQDVLTI SPFQRVYQIGESIELTCPRGFVAGPSRYTCKEDSWTPPISNSLTCEQGVDRDHP

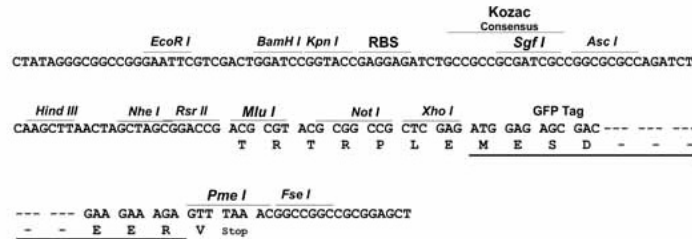
TRTRPLE - GFP Tag - V

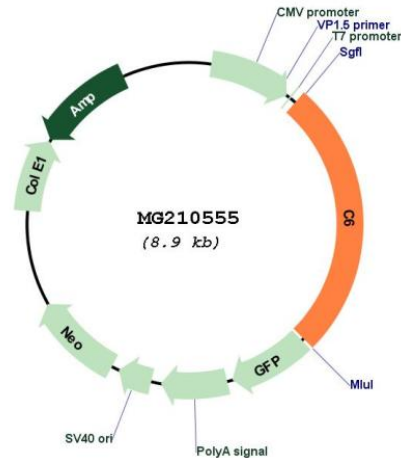
Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:


ACCN: NM_016704

ORF Size: 2307 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_016704.2](#)

RefSeq Size: 2841 bp

RefSeq ORF: 2310 bp

Locus ID: 12274

Cytogenetics: 15 1.97 cM