

Product datasheet for **MG223534**

Mga (NM_001164274) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mga (NM_001164274) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mga
Synonyms:	AV312082; C80739; C130042M01Rik; D030062C11Rik; Mad5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG223534 representing NM_001164274 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGAGAAACAGCAAATCATATTGGCCAATCAAGATGGAGGGACAGTGACAGGAGGAGCACCTACCT
TCTTTGTCATCCTAAAGCAGCCAGGAAATGGCAAACTGATCAAGGAATTTAGTTACTAATCGAGATGC
CCGTGCTTTGTTGAGTAGGGAGTCATCACCAGGAAAATCTAAAGAGAAAATTTGCCTTCCGGCTGATTGT
ACTGTGGGAAAAATCACGGTTACCCTTGATAACAATAGTATGTGGAATGAGTTCATAATCGAAGCACAG
AGATGATTCTGACCAAACAGGGAAGACGCATGTTTCCTTATTGTGATATTGGATAACAGGCTTAGATTC
AAATTTAAAGTATATCCTTGTAATGGACATATCTCCTGTGGATAGTCATCGGTATAAGTGGAAATGGTCGT
TGGTGGGAACCCAGTGGGAAGGCTGAACCCCATATTTTGGGGAGAGTTTTTCATTATCCAGAATCTCCTT
CTACAGGTCATTATTGGATGCATCAACCAGTGTCTTTCTATAAACTCAAACCTACTAACAATACACTGGA
CCAGGAAGGACATATTATCTTGCACTCTATGCATCGTTATCTGCCAAGGCTTCATTTGGTGCCAGCAGAA
AAGGCTACAGAAGTGATACAGTTAAATGGCCCCGGTGTTACTACTTTTCCCCAGACTGAATTCT
TTGCAGTAACAGCTTATCAGAACATTAGATTACTCAGTTGAAAATAGATTACAATCCTTTTGCCAAAGG
GGGAATAGTGTTTCTAGTTCCTCTGCTCATCGTTCGTTACAGAAGGTGAAGGTCAGAGATACATT
CAGGTGATTTTGATCCTGTGTTAAGGGTTCATGAAGCATCAAGCTTAAGTTTAGAGAAGGCTCCCCATAA
TGTAACAACAGACTTTCTTGATTTATGAATACTGATTGACACATGAAGTTCCTCAGTTGAAACATGAG
ATTTCTGAAAGTCGATTGTGAACAGTTTTGAAGATGATCCAGATTTCTCACCATCAAACCCGAATG
GAACTTTAATGTCGTCATTAAGAAGAGCCTCTAGATGATTATGATTATGAACTTGGTGAATGCCAGA
AGGATAACAGTGAAACAAGAAGAGACAGATGAGGAAACGGATGATACTCAAACAGCGATGACGATCCT
ATACTAGAGAAACAATAAGAGGCACAATAAAGTTGATAATTTAGAAGCTGACCATCCATCTTATAAAT
GGCTACCAAAATAGCCAGGTGTTGCTAAAGCTAAAATGTTTAAATAGATGCTGGAAAAATGCCAGTAGT
TACTTGAGCCCTGTGCTGTCACGAAAAGCACAGTGAATAATTTCTGAATTGCCTGATAATATGCTCTCC



[View online »](#)

ACTTCTCGAAAAGATAAATCTATGTTAGCAGAATTAGAATATTTGCCTGCGTATATTGAAAATTCTGATG
 GGACTGACTTTTGCTTAAGCAAGGATTCAGAAAATAGTCTCAGAAAACATTACCAGATCTCAGAATTGT
 ACAAAAATATACTTTACTTAAAGAGCCTAATTGGAAAATACCCGGACATACTTGACAACAGTAGCACGGAA
 AGAATACATGACAGTTCCAAAGGATCAACTGCAGAGTCATTTTCAGGAAAAGAGGACTTAGGCAAAAAGC
 GAACAACAATGCTTAAAATGGCAATACCATCAAAGACTGTGACTGCTAGTCATAGTGCCTCTCAAATAC
 TCCTGGGAAAAGAGGAAGACCGAGAAGTTGAGACTCTTAAGGCAGGGCGACCACCTAAAAACACAGGG
 AAATCTTTAACTGCTGCCAAGAATATTCCTGTAGGCCCTGGAAGCACCTTCTGTGATGTGAAACGATGATC
 TAGAAGATGTGGATGGGGTGTCTTTGTTTCTTTGAATCAAAGGAGGCTTTGATATTCATGCAGTTGA
 TGGGACAACAGAAGAACCTTCTAGTCTTTCAGACCACAACCACAAAATGATTGAGTTGCAGAACAAGAATT
 TCCAGTTGAAAAGGAATTAATAGAAGATTTGAAGTCTTTGAGGCATAAGCAGGTGATACATCCTGCTC
 TTCAAGAAGTGGGCTTAAAACCTGAATTCAGTGGATCCAACAGTGAGCATTGATCTTAAATACTTGGGAGT
 ACAATTGCCTTTGGCTCCAGCCACCAGCTTTCCCTATGGAATGTTACAGGTACCAACCTGCCTCACCT
 GATGCTGGGTTTCTTTTGTCTAGGACGGGGAAGACCAATGACTTTACCAAAATCAAGGGATGGAGAG
 GAAAATTTCAAATGCTTCTGCATCTAGGAATGAAGGTGGAATTCAGAGGCTTCACTGAAAACCGTTC
 TGCTTTCTGTAGTGATAAGCTAGATGAGTACTTGGAAAATGAAGGCAAATGATGAAAACAAACATAGGT
 TTCTCTCAAATGCTCCACATCTCCAGTAGTGTACCAGTACCACCAAGAGTACCAGCTATGTTGCGAA
 CTCTTGATAGTGTACTAAGAAGCAATCTACCATTTCCCTTCTACCTCTCACTCTGTGAAGCCTCAGTC
 TGTAACTGCTCCTCGAAAAACAAAGGCTCAGAAACAAACAGACAACACTCAGTGGCCGAACTAAATCA
 TCTTATAAGTCTATTTTACCATACCCTGTTTACCACAAAGCAGAAAACTCTCATGTGAGCCAAGGAGATA
 AAATTACCAAGAATTCCTTGAGTTCGACCTCAGATAATCAGGTGACTAATTGGTTGTGCCATCTGTAGA
 TGAAAATGCATTTCAAAGCAGATTAGTTTGGCGCAGGCCAGCAACAGCACCTTCAAGCAGCAAGGAACT
 CGCCCTCCAGGCTTGTGCAATCTCAAGTAAAGCTTATGGACCTGGAAGACTGTGCACCTCTGGGAAGGAA
 ACCAAGGACCTATATTACTGAAGAGCAGCAGATGTCTCCTTGACAACCTGCTTACTGCTCAGGCATC
 TCTCAAAACTAAACCTATCCACACAATCATAAGGAAACGAGCTCCTCCATGCAACAAATGACTTCTGTGCG
 CTGGGTTGTGTGCTCTAGTCTAGCTTTGAAAAGCGCAACCTGCTCACTGCCGTCGACCAGACTGCA
 TGTGTTGGTTGCACTTGTGTTGAAAAGAAAAGTTGTGTTGTTAAAGGGGGATCTAAAAACAAAGCATTTCCA
 TAAGAAGGCTGCTAATCGAGATCCATTATTTTATGATACGCTGGGAGAGGAAGGAAGGGAAGGAGGAGGA
 GTCAGAGAAGATGAGGAACAATTGAAGGAGAAAAAGAGAGAAAGAGCTCGAATACACTGTATGTGAAG
 CAGAACCTGAGCAGCCGGTTCGACATTACCACCTGTGGGTGAAGGTAGAAGGTGAAGTAGATCCAGAGCC
 GGTATATTTCAAACCTCTTCTGTATTGAACCTATAAAACCATTTGGTGTGCCTCAGCCGATTTATCT
 TCTACTACGAAGGCAAACTAACCCCTGGAATTAACCCAGCACGAACATATACTCCAAGCCCAATCCTA
 TACGAGAAGAGGACAAAGATCCAGTCTATTTGACTTTGAAAGTATGATGACTTGTGCCCGAGTTGCGAGT
 ATATGAACGAAAGAAAAGAGGAACAGAGACAACCTGTCTCCACCCTGTCTCCATCCTCATATTTACAGCAG
 CAGAGTTCCTGTTACTCTAGTCCTGAGAACCCTGTTACAAAGGAACTTGATTCTGAACAGACCTTAAAGC
 AGCTCATTTGTGACTTGGAGGATGATTCTGATAAATCACAAAGAAAAGAGCTGGAAATCCTCCTGCAATGA
 AGGAGAGTCTCTTACCTCGTATGTACATCAGAGGTCACCTGGTGGTCTACCAAAATGATAGAGATC
 ATCTCAGACTGCAACTGGGAAGAAGATCGAAACAAGATCTTGAGCATTTTATCTCAGCACATCAATAGCA
 ACATGCCACAGTCACTTAAGGTGGCAGCTTATCATTGAGTTGGCTTCTCAGCGGAAGTGTCCGGGTGA
 GAAGACCCCTCCTGTTTATTTCTTCTCGTGTGAAAATCTCTATGCCATCAAGTCAAGACCAAGATGATATG
 GCTGAGAAAATCTGGATCAGAGACTCCTGATGGTCCATTGTCCCCTGGGAAAATGGATGATATCTCTCCTG
 TGCAGACAGATGCCCTGGATTAGTGTGAGGAGAGATTACATGGAGGCAAAGGTCTACCTTTTTATGCAGG
 GCTTTCTCCTTCGGGGAAGCTTGTGGCCTATAAACGTAACCCAGTTCAACTACATCTGGGCTTATCCAG
 GTAGCATCCAATGCCAAGGTGGCTGCATCCAGGAAACCACGCACCCTGTTGCCTTCAACATCCAATTCCA
 AAATGGCATCCTCTGGCCAGCAACAAATCGCTCTGGGAAGAATCTGAAGGCATTTGTTCCAGCAAAAAG
 GCCAATGAAAATGCCCTCAAATTCAGTACTACTCCACAGATCTCTTCTAACACGTGAAACGTA
 GGACCTCGATTGTTGTTGATTCCAGTGCAGCAGGGTCTCCTACGCTTAGACCAATCCAAAACCCACAGC
 TTCAGGGACAGCGGATGGTCTTGAACCTGTTAGGGTCCAAGTGAATGAACCTATTCAGGCACCCCAA
 TGGGCAGATTGTCCAACCTACCTTTACATCAGATTGAGGCTTAATGCCAGCCAGCTTACAGCCT
 GTGGTATTTCCGAACCCAGGATCTATGGTGGGAATCCGACTACCAGCTCCTTGAACATCTCAGAGACTC
 CATCATCTTCTGCTTATCCTCTGCCTTCTGTGATGAGTCTGTGATTGAGGCTGTTGGGTCTTCTCC
 AACAGTAAATGTCATTTCTCAGGCACCTTCACTGCTTTCTCTGGATCTAGTTTTGTCTCTCAGGCTGGT
 AACTGACTCTGAGGATCTCTCTCTGAAACTCAAACCTTGAAGTAAAACAGGCTCTGAAAGCAAAA

TAAACCCAGCACTGGAGGACAGCCTGTAGGCACTGCTAGCCTCATTCTCTGCAGTCAGGTAGTTTTGC
 CTTGTTGCAGCTCCCAGGACAAAAGCCTATCCCTAGCTCTGTTCTTCAGCATGTTGCTTCCCTTCAAATA
 AAAAAGGAATCTCAGAGTACAGACCAGAAAAGATGAAAACAACTCTATCAAAGAGAGGAGGAAAATAAGA
 AAGCTCTACCATCAAAGATAAAGCTCTAGACTCTGAGGCTAATAATAAGCAAAAACCTCAGGAATTAT
 TGCCTCAGAAAAACCTCGAATAATTATTGGATGATGGGGGTGATCTTTTGGATGAAGAAAACCTTAGG
 GAAGATGCCAGACCTTATGAATACTCTTAGCACTGGGTCTCATACAGATGAAGACAAAAGTGGTGATG
 AGGACTCTGGGAACAAGAATCAGAACAGTCCAAAAGAAAAACAACTGTTCCAGAAGTTAGAGCTGGCTC
 TAAAAACATTGATATTATGGCACTCCAAAAGCATCAGAAGTATACGGCCTCAAAGTGTGTTAAGGTGAAG
 GTTGAACCGCAGGAGGGATCAGACAATCCAGAGAACCCAGATGACTTTCTAGTCTTTCTAAGGACAGTA
 AATTTGAATTATCGGGGAACCAAGTTAAGGAACAGCAATCTAACTCACAGGCAGAGGCCAAGAAGGATTG
 TGAAGATTCTCTGGGAAGGACAGTCTTAGAGAGAGATGGAGAAAAACCTAAAGGGCCCTTAACTCAG
 AAGTACATTGGAATTTACAGAACTTTAACAAGAGGCCAAACGTTTCAGTCTTTACAGAAATGAAGCCAT
 GTCAAGAAAATTCTGAACAGGATATCTCTGAATTACTTGGAAAAAGTGGAACTATTGAGAGTGGTGGAGT
 TCTAAAAACTGAGGATGGTTCTTGGAGTGGCATTCTAGTCTGCGGCCCTCTCTATTATCCCTAGGAGA
 GCTACAAAAGGAAGAAGGGGAGCAGACATTTTCAGGGTCATTTACTGCTCCAAGAGAACAGATGAAAC
 CAAAGCAACAGACAAAGGATGGGAGAAGCAGTGCCTGACTTCACAGTTTTGGATCTGGAAGATGAGGA
 TGAGGAAGATGAGAAAACCTGATGATTCTTGTGATGAGATTGTGGATGTTGTCTCTGGCTACCAGAGTGAG
 GAGGTTGATGTAGAAAAGAACTATGTAGACTATCTTGGAGGATGATGAGCAGGTGGATGTTGAAACAA
 TAGAAGAGCTTTTCCAGAGGAAATTAACCTTCCCTACAAGAAGACCACAGCAACTCACACACAGTCTTCAA
 ACAGCAGTGTATAGCCATATCTCTGCAGATGAAAAGCTTCTGAAAAGAGTCAAGAGGTTTTCATTAATT
 TCTTCAAATTTGAAAGATGATTGCTGGGGTGATAAACCACACAAAAGAAACAGAAGCTTTTGCATATTACC
 GACGGACACACTGCCAATGAGCGGCGTGGCGTGGTAAATGAGAGATCTTTTAAAAAATTGAAGAT
 TACATTAGGATTACTTCTTCTTCCAAAGTTTCCAAAAGTCTCATTCTTAATCGGGCATTTCAGTAAATT
 CAAGGACTAACAGACCAGGCAGATAAATTGATAGGGCAGAAAAAATCTCCTGAGTCGAAAACGAAGTATTT
 TAATACGGAAGGTATCGTCTCTTTCAGGGAAGACAGAAGAAGTGGTCTGAAAGAAGCTAGAGTATATTTA
 TGCAAAAACAACAGCACTAGAAGCACAAAAAAGAAAAAAGAGCTGGGGTCAAGTGAATTTGTGTGTCC
 CCCAGAATTGGCACACAGCTGGAGGGATCTTCTGCATCATCTGTAGATCTTGGACAGATGCTCATGAATA
 ACAGGAGGGGAAACCTTTGATTCTTCCAGAAAAAGAGACCAGGCTACAGAAAATGCCTCACCTTCTGA
 CACTCCGCACTCTTCTGCCAACCTGGTAATGACTCCACAAGGGCAGTTGCTTACCCTAAAAGGCCCTTA
 TTCTCAGGACCAGTGGTAGCGGTTTCTCCTGCTCTTTAGAAGGTGGTCTGAAGCCTCAAGTTGCAAGCA
 GACTATGTCTCAGTCTGAGAATGATGACTTATTTATGATGCCACGAATTGTCAATGTGACATCATTGGC
 TGCAGAGGAAGATTTGGGAGGTATGAGTGGCAACAATACCGTCCAGGAAGTTCCTGATGGCAAGCCACT
 GACCACCTGAGAGACATTGCTGGGAGTGAAGCCAGCTCCTTAAAAGATACAGAGAGAATCTCTTCCAGAG
 GAAACCATCGAGATAGCAGAAAGGCACTGGGTCCAACACAGGTGCTTTTGGCAAATAAAGATTCTGGGTT
 TCCACATGTAGCTGATGTTTCCACTATGCAGGCAGCACAGGAATTTATACCTAAAAATATGTCTGGTGT
 GTGAGAGGGCATCGGTATAAATGGAAGGAGTGTGAGTTGAGAGGAGAGAGACTAAAGTCAAAGGAGTCTC
 AGTTTCATAAATTAAGATGAAAGATCTGAAGGACTCAAGCATAGAGATGGAAGTGAAGGAGTACGCTC
 GGCTATCGAGGAAGCAGCCCTCCATCCCAGTGAAGTCTGACTAACATGGAAGATGAGGATGACACTGAT
 GAGACTGACTTCACTGCTCAATGAAATTGCTTTTCTTAATCAACAGCTAAATGATGACTCTGGCCTAG
 CTGAACCTGTGAGTTCTATGGATACAGAATTTCTCAGGAGATGCTCAGCGAGCTTTTATCAGTAAACTTGC
 TCTGGGAACAGATCAGCTTTCCAAGTTGGACACTTGGGAGCAGGTGTGAAGAGTTGCCTGATGTCCA
 GAGGAGAGTGAATCCATCAGCCCCCTCCTCTTGCACCTTGAAGATGATGACTTTTCTGAGAATGAAAAAC
 AGCTTGGGGACACAGCCTCTGAGCCAGATGTCCTTAAGATTGTTATTGACCCTGAAATAAAGGATTCTCT
 TGTTTTCCATAGGAAATCTAGTATGGAGGACAGAGTACTTCTGGTCTCCCCGACAGCCTGAAAGTGTA
 TCTTCACTCCCATCTTACACATGAAGACTGGCCCGGAGAACAGCAACACAGATACTTTGTGGAGGCCATA
 TGCCAAAGTTGGCCCATAGGTTTAAAAGTAGCTAATCCCCCAGTGATGCCGATGGTCAGAGTCTCAA
 GGTGATGCCTGCCTTGGCACCTATAGCTGCCAAAGTTGGGTCAATTGGACACAAAATGAATTTAGCAGGA
 ATTGACCAGGAAGGCCGGGGAGCAAGGTGATGCCTACATTGGCACCTGTTGTACCTAAATTTGGGCAACT
 CTGGAGCTCCATCAAGTTCATCAGGAAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

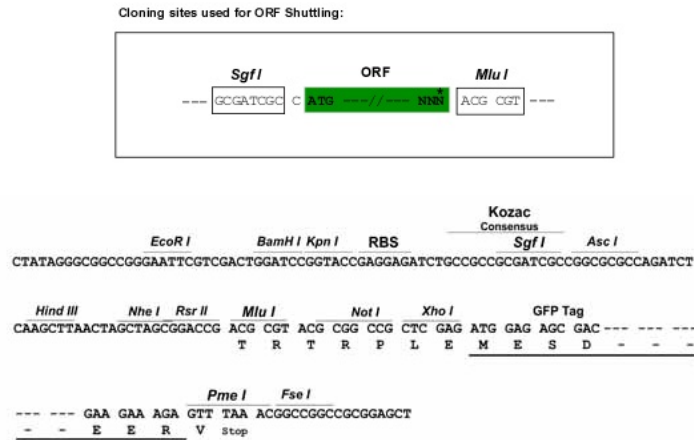
Protein Sequence: >MG223534 representing NM_001164274
 Red=Cloning site Green=Tags(s)

MEEKQIILANQDGGTGTGGAPTFVILKQPGNGKTDQGILVTNRDARALLSRESSPGKSKEKICLPADC
 TVGKITVTLDNNSMWNNEFHNRSTEMILTKQGRMFYCRYWITGLDSNLKYILVMDISPVDSHRYKWNGR
 WPEPSGKAEPHILGRVF IHPESPSTGHYWMHQPVSFYKLLTNNTLDQEGHIIILHSMHRYLPRHLVPAE
 KATEVIQLNGPGVHTFFPQTEFFAVTAYQNIQITQLKIDYNPFAKGRFDDGLSSKQREKQQRNSSDQE
 GNSVSSSPAHRVRLTEGEGSEIHSQDFPVLRGHEASSLSLEKAPHNVKQDFLGMNTDSTHEVPQLKHE
 ISESRIVNSFEDDSQISSPSNPNGNFNVVKEEPLDDYDYELGECPEGITVKQEETDEETDVYSNSDDDP
 ILEKQLKRHNKVDNLEADHPSYKWLPNSPGVAKAKMFKLDAGKMPVVYLEPCAVTKSTVKISELPDNMLS
 TSRKDKSMLAELEYLPAYIENSQDGFCLSKDSENSLRKHSPDLRIVQKYTLLEPNWVYDILDNSSTE
 RIHSSKGSTAESFSGKEDLGKRTTMLKMAIPSKTVTASHASPNTPGKRGRPRKLRKSKAGRPPKNTG
 KSLTAAKNIPVPGSTFPDVKPDLVDGVLVFSFESKEALDIHAVDGTTEEPSSLQTTTNDSGCRTRI
 SQLEKELIEDLKSRLHKQVIHPALQEVGLKLSVDPTVSIDLKYLGVQLPLAPATSFPLWVNTGTNPASP
 DAGFPFVSRTGKTNDFTKIKGWRGKFNASASRNEGGNSEASLKNRSFAFCSDKLDEYLENEGKLMETNIG
 FSSNAPTSVVYQLPTKSTSYVRTLDSVLKQSTISPSTSHSVKQSVTTASRKTAKAQNQTTLSGRTKS
 SYKSILPYVSPKQKNSHVSQGDKITKNSLSSTSDNQVTNLVVPVSDENAFPKQISLRQAQQQLQQGT
 RPPGLSKSQVKLMDLEDCALWEGKPRTYITEERADVSLTLLTAQASLTKPIHTIIRKRAPPCCNDFCR
 LGVCVSSLALEKRQPAHCRPPDCMFGCTCLKRKVVLVKGGSKTKHFHKAANRDLFYDTLGEEGREGGG
 VREDEEQLEKKEKRRKLEYTVCEAEPEQVVRHYPLVWVVEGEVDEPEVYIPTPSVIEPIKPLVLPQDLS
 STTKGKLTGPIKPARTYTPKPNPIREEDKDPVYL YFESMTCARVRYERKKEEQRLSPPLSPSSSFQ
 QSSCYSSPENRVTKELDSEQTLKQLICDLEDDSDKSQEKSWKSSCNEGESSSTSYVHQSPGGPTKLEI
 ISDCNWEEDRNKILSILSQHINSNMPQSLKVGFSFIELASQRKCRGEKTPPVYSSRVKISMPSSQDDM
 AEKSGSETPDGLSPGKMDDISPVQTDALDSVRERLHGGKGLPFYAGLSPSGKL VAYKRKPSSTTSGLIQ
 VASNAKVAASRKPRTLLPSTSNKMASSGPATNRSKGNL KAFVPAKRPIENAPQIPVTTQISSNNVKRT
 GPRLLLIPVQGSPTLRPIQNPQLQGQRMVLQPVRGPSGMNLFHRPNQIIVQLLPLHQIRGNSAQPQLQ
 VVFRNPGSMVGI RLPAPCKSSETPSSSASSAFVMSPIQAVGSSPTVNVISQAPSLSSGSSFVSQAG
 TLTLRISPPEQTNLASKTGSESKITPSTGGQPVGTASLIPLQSGSFALLQLPGQKIPSSVLQHVASLQI
 KKEQSQTDQKDENSIKREEETKALPSKDKALDSEANIMKQNSGIIASENTSNNSLDDGGDLLDEETLR
 EDARPYEYSYSTGSHDDEKDGDEDSGNKNQNSPKEKQTVPEVRAGSKNIDIMALQSIRSIRPQCKVKV
 VEPQEGSDNPNPDDFLVL SKDSKFELSGNQVKEQQSNSQAEAKKDCEDSLGKDSL RERWRKHLKGPLTQ
 KYIGISQNFNKEANVQFFTEMKPCQENSEQDISELLGKSGTIESGGVLKTEDGSWSGISSAAFSIIPRR
 ATKRRGRSRHFQGHLLPREQMKPKQTKDGRSSAADFTVLDLEDEDEEDEKTDSDSLDEIVDVVSGYQSE
 EVDVEKNYVDYLEDDEQVDVETIEELSEEINFPYKTTATHTQSFQKQCHSHISADEKASEKSRKVS LI
 SSKLKDDCWGDKPHKETEAFAYYRRTHTANERRRRGEMRDLFEKLIKITLGLLHSSKVSLSLILNRAFSEI
 QGLTDQADKLIQKQNL SRKRSILIRKVSLSGKTEEVVLKLEYIYAKQQALEAQRKKKLGSDEFVCS
 PRIGTQLEGSSASSVDLQMLMNNRRGKPLILSRKRDQATENASPSDTPHSSANLVMTQQGLLTLKGPL
 FSGPVAVSPALLEGLKPVASSTMSQSENDDL FMMPRIVNVTSLAAEEDLGGMSGNKYRHEVPDGKPL
 DHLRDIAGSEASSLKDTERISSRGNHRDSRKALGPTQVLLANKDSGFPHVADVSTMQAAQEFIPKNMSGD
 VRGHRYKWECELRGERLKSQSFHKLKMKDLKDSSEIEMELRKVASAIEEAALHPSELLTNMEDEDDTD
 ETLTSLLNEIAFLNQQLNDDSLAELSGSMDTEFSGDAQRAFISKLAPGNRSFQVGHLAGYKELPDVQ
 EESEISPLLLHLEDDDFSENEKQLGDTASEPDVLKIVIDPEIKDSLVS HRKSSDGGQSTSGLPAEPESV
 SSPPIIHMKTGPENSNTDLWRPMPKLAPLGLKVANPPSDADGQSLKVM PALAPIAAKVGSI GHKMNLAG
 IDQEGRGSKVMPTLAPVVPKLGNSGAPSSSSGK

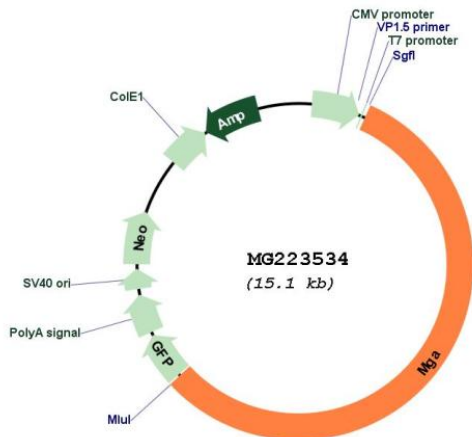
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001164274
 ORF Size: 8499 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_001164274.1 , NP_001157746.1
RefSeq Size:	13304 bp
RefSeq ORF:	8502 bp
Locus ID:	29808
Cytogenetics:	2 E5
Gene Summary:	Functions as a dual-specificity transcription factor, regulating the expression of both MAX-network and T-box family target genes. Functions as a repressor or an activator. Binds to 5'-AATTCACACCTAGGTGTGAAATT-3' core sequence and seems to regulate MYC-MAX target genes. Suppresses transcriptional activation by MYC and inhibits MYC-dependent cell transformation. Function activated by heterodimerization with MAX. This heterodimerization serves the dual function of both generating an E-box-binding heterodimer and simultaneously blocking interaction of a corepressor.[UniProtKB/Swiss-Prot Function]