

Product datasheet for **MG220495**

Muc6 (NM_181729) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Muc6 (NM_181729) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Muc6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220495 representing NM_181729, codon optimized . Due to the complexity of NM_181729, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTCCGGGTGCGACAACCTGCTCCTGTTGCTCCTGTTTCAGAGGTCCACTGATCGACGCCGGGCCTGGA
CCGGGGACGTTACAGACTCCGATACCGAGGATAACCTCCAGTCTTACCCGAGAAGGGCTGGTGCAGCAC
ATGGGGAGCCGGCCACTTCTCTACCTTTGATGGCCATGAATACAATTTCCAGGGTATGTGTAACATATT
TTCACGGCAACCTGCGGGGATGACGTGCCAGCTACCTTCTCTATTTCAGCTCCGAAGAGATATGGAGGGTA
ACATATCAAGAATTATTATGGAGCTTGGCGCTGTGCTGTTACCGTGAATAAGGAGACTATATCCGTGAG
GGACATCGGGTGGTGGTCTCCCTTACACCAGCAACGGCCTGCAAAATCACCCCTTACGGACAGTCTGTG
CAGCTGGTTGCAAAGCAACTGGAAGTGGAACTGGTAATTACATGGGGTCCAGATGCTCACCTGACCGAGG
GGCAGGGTGGTGACGAAGTCGGAACCCAGGGACACTTAAGCAGGAGTCTAAGGGTTCTCCCGCCTGGGC
AGGATCAAGTCTGTGCATTCCCCTGAAACTAACAGCACCACCCCAAGTCCAAGTTGAGACAAAATAC
ATGGGAAAGCTCTGTGGTCTGTGCGGTAACCTTTCAGCGTAAAATCGACAATGAGTTTCTCAGTGAAGACG
GCAAGCTTCTGGAGGCACACAAATACGCCACGTTGCAGAACTGGATGACCCTAACGAGATCTGCGCCCA
TGAAGCCATCCCTAGTACTATCATTCTTAAGACCAGGTATGCACAGATCTGCAATCAACTGCTGACTTTG
GTGTCCCCAGGGTGGCAGCTTCCAAAGGAGACGTTGATGCTCAGTTGCCAGGCCGATATGGCTGCATGTG
CCAGACCCGACAACCAACTGTAGCTGCGCAACTCTGTCAGAGTATTCACGCAGGTGTTCCATGACTGG
ACAGCCAGTTAGAAATTTGGCGCACGCCAGCTCTGTGCTATGAGTCAATGCCCTGCTAATCAGGTCTAC
CAGGAGTGGAGAGGTGTCATTAAAACCTTGCTAATCCTCAGCATTCTTGCAGCAGTCCCTGTACAT
TCGGATGCTTTTGTCCACATGGCACCCCTGCTCGATGATATCTCCGGGAATCAGAGTTGTGTCCTCCGTC
TCAGTGTCCCTGCATGTTGAATGAATGGTGTATGGGCCAGGCCGAAATCACAAGACCGCTTGCCAAACG



[View online »](#)

TGCCAATGCACCATGGGGCGGTGGACGTGCACAAAGCAGCCATGCCCCGGCCACTGTAGTCTGGAGGGG
 GGTCTTCGTAACGACATTTCGATGCAAGACCCTACCGTTCCATGGTACATGCACCTATACACTGCCTCA
 GTCTCCACAGCTCCCTAACGAGGGGACACTGATGGCTGTCTATGATAAGAGCGGCTATAGCCACTCCGAA
 ACGTCCCTGGTTGCAATTATGTACTTGAGCAAGAAGGACAAGATTGTTATCTCCGAGGATGAAGTCATCA
 CCAATAACGGCGATACTAAGCTGCTGCCATAACAAGACGCACAACATTACAATATTTAGGCAGACTTCAAC
 CCATCTTCAAATGGCCACCACATTCGGTCTGGAACCTGGTGTCCAGATGCAGCCAGTATTTCAAGTCTAT
 ATCACAGTCGGACCTCAGTTCAAGGGCCAAACCCGAGGGCTGTGTGGAACTTCAACGGTGATACCCACAG
 AGCACTTTACTACATCCATGGGTATCGATGAGGGGACTGCTAGCCTGTTGTTGGACTCCTGGAGGGCGGG
 GAACTGTCCCGCCGCGCTCGAACGAGAAATGGACCCATGTAGCATGTCCAGCTGAACAAAGTTTGCCT
 GAGACACATTGCTCCATGTTGCTCAAGAAGGGATCTGTATTTGAGAAATGTCATAGCGTGGTGAACCC
 AGCCGTTCTACAAACGATGCGTTTACCAGGCTGTAACACGAGGAAACCTTTCCACACTGTCAGTGC
 CCTGGGGCATAACGCGCACGCTGCTCCGCTAGGGGTATCCTGTTGTGGGTTGGAGGAACTCAGTTGAT
 AATTGTACCGTTCATGTACCGCAATCGGACATTTTCTATGACTCCCAGGCTGTGATCGCACCTGCC
 TGAGCCTTTCTGATCGCGAAACGGAGTGCCACGTGAGTCCAGTCCCCTGGATGGGTGCAACTGTCCAGA
 AGGAACATACCTCAACCATAAAGCTGAATGTGTGCACAAAGCGCAATGCCCTGCCTCCTGGATGATTAC
 AAGTTCGTTACGGCTGACCAGTCCACAATGATCAATGGAGTGATTGGCCATTGCATCAACGGAAGACTGA
 GCTGTCCCGCCAAAGCCGAGATGTTCTTCGCATCTTGTCCAGAACCCAAAGACCTTCAATCATGCTCTCA
 AAGCAGTGAAGACAAATTCGGCGCTGCCTGCGCGCCACTTGCCAGATGCTTGCCACCGGCATCGATTGT
 GTCCCCACGAAGTGCGAATCTGGGTGCGTTTGTCCCAAGGGGCTTTATGAGAAGTCTGACGGTCACTGTG
 TGCCAGCTGAAGAATGCCCTTGCAGTATGCTGGAGTGTCTTACCTGGCGGATTCGAGTTGCACACAGA
 TTGTAAGACATGCACTTGACGCCAGGGTAGATGGACTTGCAGCTGTCCACGCAATGCCAAAGCACTTGC
 GTACTGTATGGCAAGGGCACATAATTACATTGATGGACAGAGATTTGTGTTGACGGCGATTGCGAAT
 ATATGCTCGTACGGACGATTGCGGGCCAAATCCTCCAGCCTACCTTCAAGGTGCTACTGAGAAGCT
 CATTTGCGGCAAAATCCGGAGTCACTTGTAGTTCGAGCAATAAAGATCTCACTTGGTGGTCTGTTTATCACG
 ATGGCAGACAGCAACTATACTGTTAGCGGAGAGGAACCTCTGGTCCACCTTAAGGTGAAACCATCTCCAC
 TCAACCTGGTCTTGATATCGATATACCAGGCAGGCTCAACCTTACACTGGTATGGAACAAGCATATGAG
 CGTCTCCATCAAATCAGGAGGGCAACGCAGGACGCTCTGTGCGGCTGTGTGGGAAACGCGAACGGAAAC
 ATGAAGGACGATTTGAAACCCGACGAAATACGTGGCTTCAACGAATTGGAATTCGTGAATTCATGGA
 AGGAATCCCCCTGTGTGGTACGCCAGCTATGCCGTGATCCCTGCTCACTCAATACCTTTGCGAGGAG
 CTGGGCAGAGCGAAGTGAACATTATCAATAGCCAGACCTTTGCAGCCTGTACAGCAAGGTATATCAC
 CTGCCATATTACGAGGCTGCGTGCAGTGCCTGCGGATGCGATACAGGTGGCGATTGCGAGTGCCTCT
 GTGATGCTGTTGCGCATACGCGAAGGCCCTGCCTCGATAAGGGTGTCTGCGTAGATTGGCGCACACCAGA
 CTCTGCCCCATTTATTGTGACTTCTACAATACCCACACCTTGGTGGGTGAGAACGAGTACCAGTACGCG
 CAGGAAAGTAACTGTACCTGGCACTATCAGCCATGCCTGTGTCCAGGATCCCTTGGAAAGCTTCCAGACA
 CCAACTGAGGGATGTTACAATTGCTCCCAAAATGAATATTTGACCACAGTGAAGGTACCTGCGTTCC
 CTGTGCTCCGCTACGACAACCTTGCCACCTACCAACTGGTAGCCAACCCACTACAGAGACAACGATC
 AGCACCGAGTTCATTCAAGCACGTACGCAATACACCTGTAGCCCTAGTATTTGCTGGGCTTCCCA
 CACCCCCCTAGCGCCCAAGCTCTACAGAGGAGCTTACCGTGTGGACTACCCCAAGAGTCAACAGT
 CTCTCCGGAGAATACCCTCAGACAACCATGGCCGCACTCCACCTACCAGCCCATGGCCCCGACCAGT
 ATCCCCAAATCCACCCCAACCGAGCTCCCGGTAACACAAGCCACATCAAAGCCACAGCAAGCTCTCTTA
 GCAGCAGACCAAGACGACAGCCGAGCTACCGAATCTACCACCGTACCCCTTCTGACGCTGATGCCAGG
 CATGTCCACCTCCAGGAGGGGACACCCACATCCAAGTCCCAGTGACGCAGACGACCACCCATAGGGTG
 CCAAGCCGATGCATACCAACCAGACACCACATGTTTCAGACAACCACCGTCCAGGAGCCGAGATAA
 CACAGACACTTGGCCCTTCCACCTACACGACTAACGATAAACTAAAACCCAGAACCTTTTCTCAACAGC
 CCCGCACTTGAGCGAAACCTCTGCTGTGACCGCTCACCAGTCACTCCAACGGCAGTCAGCGCTAACAGC
 ATCAAACCTACAATGAGCTCAACCGGGACACCTGTCGTCATACCACCTCCGGAACCTCCAGTTCTCCTC
 AGACACCCAGAACAACCCACCCAGTACTACCGTCGCAGTAAGCGGGACTGTGCATAACAACGGGCTGCC
 GAGCGGCACTAGCGTGACACAACCACTTCCCACCTCATAGCGGCCGAGAGCAGCTGTCTACA
 CACCTTCCCTGTTACGTACCCTGTCTGTACCCCTACTACCGAGGGCCTGAATACCCAGTCCACTCCTA
 TACCCGCAATTAACAGCCTTATGACAACCGCGGTCTGACCGGTACACCTCCGGTCCACACCACTTC
 AGGAACAACATCCAGCCGACAGACCCAGGACTACACATCCTTTCTCAACTGTCCGCGTGTCTAACACT
 AAGCATACAACAGGTGTCTCTTGGAGACTAGTGTACAGACCAGATCGTAGTCCCACCCCTCTGCGC

CCCAAACTTCCCTCGCTACTCATCTGCCATTCTCTAGCACCTCAAGCGTTACGCCAACATCCGAGGTCAT
 AATCACACCTACGCCCAACACACCCTTTCATCTGCATCCACCTCTACCACTACAGGGAATATACTCCCC
 ACCACAATCGGCAAGACCGGTAGTCCACATACTAGCGTGCCAGTGATATATACTACCAGCGCCATTACTC
 AGACAAAGACGCTTTTTAGTACCGATCGCACAAGTACCAGTACTTCTGCCCCACATCTGTCTGAGACTTC
 CGCCGTACCGCCCATCAGTCCACGCCAACCGCGTGAGCGCCAACTCCATTAACCAACCATGTATCC
 ACAGGCACCCCTGTGCTACACACCACCTCCGGCACCACCAGCTCTCCCCAGACTCCACGAACCACACATC
 CAAGTACGACCGTGGCCGTAGTGGTACTGTTTCATACCACAGGCTGCCTTCTGGGACAAGCGTCCACAC
 AACGACTAATTTTCTACACACAGCGGACCACAGTCTTCACTCTCCACTATTTGCCCTTTTCAGCACA
 CTCTGTGCACTCCCACGACAGAGGTTTGAACACCCCTACAAGCCCCACAGCCTTAGTGTGGCTTCCA
 CTTCAATGCCCTGATGACTGTGCTTCCCACGACCCTGGAAGGGACTAGACCACCCCATACTTCTGTGCC
 CGTGACATACACCACCACGGCCGCACACAGACAAAGAGCAGTTCTCTACCGACCGGACCTCCGCCCT
 CACTTGTCCCAGCCAGCACTGTACACCACCTCAGTCAACTCCTATTCCAGCAACAACTAACTCCCTTA
 TGACAACGGGGCGGCTGACCGGCACCCCGCGTGACACCACATCCGGTACCCTTATCCCCACAAC
 GCCTCGCACAAACATCCCTTTCAACCGTGGCTGTCTCCAACACAAAACATAAACTGGCGTGTCCCTT
 GAAACTTCGGTTCAGACCACTATAGCCAGCCCTACCCCTAGTGGCGCTCAGACATCCCTGGCCACTACC
 TGCCCTTCTCATCTACCTCTAGCGTTACCCCAACAAGCGAGGTGATCATCACTCTACACCCAGCACAC
 ACTGTCTAGCGCATCTACGTCTACTACCACCGAAATATCCTGCCTACAACCATCGGCCAGACTGGTTCA
 CCACACTAGTGTACTGTGATCTATACTACTTCAGCAATTACTCAGACCAAGACAAGCTTCTCTACAG
 ACCGAACGAGCACATCTACGTCCGCTCCCCACCTTAGTGAGACTAGCGCAGTTACCGCCACCAAAGCAC
 CCCCACGGCTGTCTGTAACTCTATAAACTACAATGAGTAGCACCGGGACGCTGTGGTACATACA
 ACTTCCGGGACAACAGTTCTCCTCAGACCCCGAGGACCACCCATCCCTCTAACTGTGCGAGTTCCG
 GCACCGTTCACACGACCGGATTGCCTAGTGGCACCTCCGTTACACCACCACTAACTTCCCAACTCACTC
 AGGGCCCAACTAGTTTGTCTACACACCTGCCACTGTTTTCAACTCTGTCAGTGACCCCAACAGGAG
 GGACTGAATACTCCAACCTCCCCCATTATTGAGTGCTGCCTCCACTTCTATGCCCTTATGACGTTTT
 TGCCCAACAACCTCGAGGACGCGCCCCCCCCATACATCAGTGCCCGTAACTTATACTACCACCGCAGC
 CACACAGACAAAACTTCTTTTTCCACAGACAGAACTTCTACACCCACCTCTCACAGAGCTCAACGGTC
 ACCCTACACAGCCTACACCAATTCAGCTACCACAAATCTCCAATGACAACCTGTAGGTCTTACAGGAA
 CACCCGTAGTGACACGCCATCCGGAAGTACAGTATAGCACACACCCCGCACACTACCCACAGCCTCCC
 CACCGCCGCTCCAGCTCCACTACGCTGAGCACAGCTCCTCAGTCCGAACTCCGAGCAGTCTACCAG
 ACCTTCCCTACACCTCAGCTCCACAGACATCTCTGGTACTAGCTTGCCTCCGTTTTCTACCTCATCTG
 TTTACCAACAGATGAGATCCATATTACCAGTACTAATCCCCACACAGTGAGCTCCGTGTCTATGTCCAG
 GCCTGTGAGCACCATCCTGCAAACAACATTCGAGGTACAACCTCCCCCTAACACATCAACACCTGTAA
 CACTCAACAAGCGCTACCACAGAGGCGCAGGGGAGTTTCTCAACGGAGCGCACCTCCACTAGCTATCTCA
 GCCATCCAAGTTCTACGACTGTTACCAGAGTACCAGTGGGCCAGTCAATTACCTCCATTAAGTCAACAAT
 GGGTGTGACCGGAACACCCCGGTCCAATACTACGAGTGGGACCACCTCTAGTCCACAGACACCACATAGT
 ACTCACCTATCAGCACCGCCGAATTTCCCGGACCACAGGCATTAGTGGTACCCCGTCCGGACTCCAA
 TGAAGACTACAATCACTTCCCCACTCCGTCTCTGCAAACGTCATGGCAACCCCTCTCCCTCCATT
 CTCAACCTCTGTATGTCTTCAACTGAAATCTTCAACACGCTACTAACCCCTCACAGCGTTTCAAGCGCC
 TCCACATCCCGCCTCTGAGTACAAGCTTGCCAACAACCATCAAAGGGACCGGTACCCCTCAGACCCCG
 TGTGAGACATCAATACTACTTCTGCAACCACTCAGGCTCATAGCAGCTTTCCACAGACAAGGACATCTAC
 CTCACATCTGTCTCTTCCCTCCAGTATGACATCTAACAACACCTGCCAGCCGAGTGCCTCAACTCTC
 CAATACACACCTACTCCCTCTTCACTCTCACACAGCCACTGCTGACTACACCGACTGCTAGTCTCCCA
 GCTCCGCCCGACCTTCGTGAGCCCTACCGCCGCAGCACCAGTGTCTAGCGCACTTCTACGATCCA
 TATGACTCCAACCTCTTCCAGTCCGCCACCTCTTCAACAGGCTGCTCTCCAGTCAAAAACGACCAGT
 CATGTGCAACATTTTCTCTTTTCACTAGCAAGAGCACCAGGCCACCTTACCTCTCTCACAACCTCAAG
 CCGCTACATCCGGCTCCTGTCTTCAACAATGGGCATGACAAATCTGCCAAGTTCTGGCAGTCTGACAT
 CAATCACACTACAAGACCACCTGGCTTAGTCTCTGCCACCTCTGCCTTCTGTCAGGAGCACTAGC
 CCCACAGGAAGCTCCTCTCCCTCCACTCCCGTTAGTTCCTCAACCCAGACTCCAGCGTTAGTTCACCTC
 CATCTATCCCGAACCTGTTCACTGCAGGAGGAAGAACCAGATTACGTATCAGGGATGCGTAGCTAA
 CGTTACGTTACACGGTGCCAGGGGTTCTGTGCCTCATCAGTGTCTTCAATAAGGACACGCTCCAATTG
 GAGTCTTATGTGGGTGTGCCAGCCACTGAGTACCTACAAGAAGCAGCTCAGTTTGCCTGTCTGACC
 CAGACGCTCCCGGACAGCAACTGACCTTGACCTTCAAGTGTCTCTCTGCGTGTGCTCCCTCTGCA

GTGTAAAAAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG220495 representing NM_181729

Red=Cloning site Green=Tags(s)

MLRVRQLLLLLLFRGPLIDAGAWTGDVTDSDTEDNLQSSPEKGWCSTWGAGHFSTFDGHEYNFQGMCN
 YI FTATCGDDVPATFSIQLRRDMEGNISRIIMELGASVTVNKETISVRDIGVVSPLPYTSNGLQITPYGQSV
 QLVAKQLELELVITWGPDAHLTEGQGGDEVGTPGTLKQESKGSAPAWAGSSLCIPTETNSTTPQVQVETKY
 MGKLCGLCGNFDGKIDNEFLSEDKLLEAHKYATLQKLDPPNEICAHEAIPSTIILKTRYAQICNQLLTL
 VSPGCDVPKETLMLSCQADMAACARPGQPNCSATLSEYSRRCSMTGQPVNRWRTPALCPMSQCPANQVY
 QECGEVRIKTCSPQHSCSSPCTFGCFPHGTLDDISGNQSCVPVQPCMLNGMVMYGPGEITKTACQT
 CQCTMGRWCTKQPCPGHCSLEGGSFVTFDARPYRFHGTCTYTLQSPQLPNEGTLMAVYDKSGYSHSE
 TSLVAIMYLSKKDKIVISEDEVITNNGDTKLLPYKTHNITIFRQTSTHLQMATTFGLELVFQMOPVQVY
 ITVGPQFKGQTRGLCGNFNGDTTDDFTSMGIDEGTASLFDVSWRAGNCPAALEREMDPCSMSQLNKVCA
 ETHCSMLLKKGSVFEKCHSVVNPQPFYKRCVYQACNYEETFPHICSALGAYAHACSARGILLWGWRNSVD
 NCTVPCTGNRTFSYDSQACDRTCLSLSDRETECHVSPVPVDGCNCPGTYLNHKAECVHKAQCPCLLDDY
 KVFQADQSTMINGVICHINGRLSCPRQAEMFFASCPEPKTFQSCSSEDKFGAACAPTQMLATGIDC
 VPTKCESGCVCPKGLYENSDGQCVPAEECPDYAGVSYPGGFELHTDCKTCTCSQGRWTCQLSTQCPSTC
 VLYGEGHIIITFDGQRFVFDGDCEYMLATDDCGANSSQPTFKVL TENVICGKSGVTCRAIKISLGGFLIT
 MADSNYTVSGEEPLVHLKVKPSPLNLVLDIDIPGRLNLTLVWNKHMSVSIKIRRATQDALCGLCGNANGN
 MKDDFETRISKYVASNELEFVNSWKE SPLCGDASYAVDPCSLNTRRSWAERKCNINSQTF AACHSKVYH
 LPYYEACVRDACCDDTGGDCECLDAVAAYAKACL DKGVCVDWRTPDFCPIYCDFYNTHTLVGENEYQYA
 QESNCTWHYQPCPCPSLGSFPDNTTEGCYNCSQNEYFDHSEGTVCPCAPPTTLPTTTTGSQPTTETI
 STEFHSSTSANTPVAPSYLPLPTPPSAPSSTEELTWVTTPEKSTVSSGEYPTTMAATPTSPWPPTS
 IPKSTPELPTVQATSKPTASSLSSSTKTTAELTESTVTLTLMPGMSTSQEGTPTSKIPVTQTTTHRV
 PSRCITNQSTTMFQTTTVEAEITQTLAPSTYTTNDITKQNLFTAPHLSETS AVTAHQSTPTAVSANS
 IKPTMSTGTPVVHTTSGTSSSPQTPRTTHPSTTVAVSGTVHHTGLPSGTSVHTTTFNPTHSGPQSSLS
 THLPLFSTL SVTPTEGLNTQSTPIPAITNSLMTTGGLTGTPPVHTTSGTSSSPQTPRTTHPSTTVAVS
 NTKHTTGVSL ETSVQTTIASPTPSAPQSLATHLPFSSTSSVTPTSEVIITPTPQHTLSSASTSTTTGNILP
 TTIGKTS PHTSVPVIYTTSAITQTKTSFSTDRTSTSTSAPHLSETS AVTAHQSTPTAVSANSIKPTMSS
 TGTPVVHTTSGTSSSPQTPRTTHPSTTVAVSGTVHHTGLPSGTSVHTTTFNPTHSGPQSSLSSTHLPLFST
 LSVTPTEGLNTPTSPHLSVASTSMPLMTVLPPTLEGTRPPHTSVPVYTTTAAATQTKSSFSTDRTSAP
 HLSQPSTVTPQSTPIPATNSLMTTGGLTGTPPVHTTSGTSSSPQTPRTTHPSTTVAVSNTKHTTGVSL
 ETSVQTTIASPTPSAPQSLATHLPFSSTSSVTPTSEVIITPTPQHTLSSASTSTTTGNILPTTIGQTS
 PHTSVPVIYTTSAITQTKTSFSTDRTSTSTSAPHLSETS AVTAHQSTPTAVSANSIKPTMSTGTPVVHT
 TSGTSSSPQTPRTTHPSTTVAVSGTVHHTGLPSGTSVHTTTFNPTHSGPQSSLSSTHLPLFSTL SVTPTE
 GLNTPTSPHLSAASTSMPLMTVLPPTLEGTRPPHTSVPVYTTTAAATQTKSSFSTDRTSTPHLSQSSTV
 TPTQPTIPATTNSPMTTVGLTGTPVVHTPSGTSSIAHTPHTHSLPTAASSSTLSTAPQFRTSEQSTT
 TFPTPSAPQTS LVTSLPPFSTSSVSPTDEIHITSTNPHTVSSVMSRPVSTILQTTIEVTTPNPTSTPVT
 HSTSATTEAQSFSSTERTSTSYLSHPSSSTTVHQSTAGPVITSIKSTMGTGTPPVHTTSGTSSSPQTPHS
 THPISTAAISRRTGISGTPFRTPMKTTITFPTPSSLQTSMATLFPFSTSVMSSTEIFNTPNPHSVSSA
 STSRPLSTSLPTTIKGTGTPQTPVSDINTTSATTAHSSFPTRTSTSHLSLPSSMTSTLTPASRSASTL
 QYTPTPSSVSHSPLLTTPTASPPSSAPTFVSPTAASTVISSALPTIHMTPTPSSRPTSSGTLSTSKTTS
 HVPTFSSFSSKSTTAHLTSLTTQAATSGLLSSTMGMTNLPSSGSPDINHTRPPGSSPLPTSAFLSRSTS
 PTGSSSPSTPVSSNPDSVSSPPSHPGTCSLQEEHQITYQGCVANVTLTRCQGFCASSVFNKDTLQL
 ESSCGCCQPLSTYKQLSLPCDDPAPGQQLTLTLQVFS SCVCSPLQCKN

TRTRPLE – GFP Tag – V

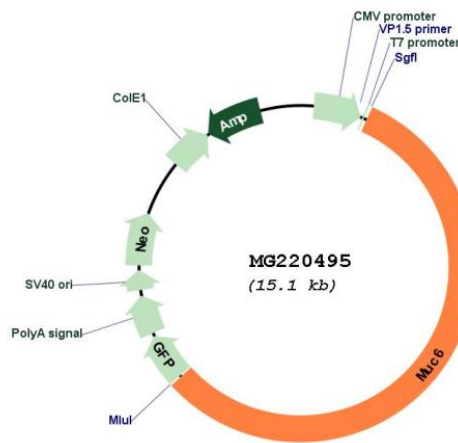
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_181729

ORF Size: 8550 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_181729.2, NP_859418.1</u>
RefSeq Size:	8787 bp
RefSeq ORF:	8553 bp
Locus ID:	353328
Cytogenetics:	7 87.03 cM