

Product datasheet for **MG221093**

Neu2 (NM_015750) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Neu2 (NM_015750) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Neu2
Synonyms:	MBS; MSS; MTS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221093 representing NM_015750 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGACCTGCCCTGTCTGCAGAAGGAGACTGTTCCGCACAGGCGTCCATGCTTACAGAATCCCTG
CTCTGCTCTACCTGAAGAAGCAGAAGACCCTGTGGCCTTTGCGGAAAAGCGAGCCAGCAAGACGGATGA
GCACGCAGAGTTGATTGCTCTGAGAAGAGGAAGCTACAACGAAGCCACCAACCGTGTCAAGTGGCAGCCT
GAGGAAGTGGTGACCCAAGCCCAGCTGGAAGGCCACCGCTCCATGAATCCATGTCCCTTGTATGACAAGC
AAACAAAGACCCTCTTCTTTTTCATCGCTGTCCCTGGGCGTGTATCAGAACATCATCAGCTCCACAC
TAAGGTTAATGTACACGGCTGTGCTGTGTGAGCAGCACTGACCATGGGAGGACCTGGAGCCCCATCCAG
GACCTCACAGAGACCACATTGGCAGCACTCATCAGGAATGGGCCACATTTGCTGTGGGTCTGGGCATT
GTCTGCAGCTGCGGAACCCAGCTGGGAGCCTGCTGGTACCTGCTTATGCCTACCGGAAATGCACCCCTGC
TCAGAAGCCTACCCCTTTGCCTTCTGCTTTCATCAGCCTTACCATGGGCACACATGGAACTAGGCAAC
TTTGTGGCTGAAAACCTACTGGAGTGCCAGGTGGCTGAGGTTGGCACTGGAGCTCAGAGGATGGTATATC
TCAATGCTAGGAGCTTCTGGGAGCCAGGTCCAGGCACAAAGTCCTAATGATGGTCTGGATTTCCAGGA
CAACCCGGTAGTGAGTAAGCTTGTAGAGCCCCCACGGGTGTCATGGAAGTGTGGTTGCCTTCCACAAC
CCCATCTAAGCCACATGCCTTAGACACATGGCTTCTTTATACACCCCTACAGACTCCAGGAATAGAA
CCAACCTGGGTGTGTACCTAAACCAGATGCCACTAGATCCACAGCCTGGTCAGAGCCCACCTGCTGGC
CATGGGCATCTGTGCTACTCAGACTTACAGAACATGGGGCAAGGCCCTGATGGCTCCCCACAGTTTGGG
TGTCTGTATGAATCAGGTAACATGAAGAGATCATTTTCTCATATTCACCCTGAAGCAAGCTTTCCCA
CTGATTTTGTATGCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221093 representing NM_015750
 Red=Cloning site Green=Tags(s)

MATCPVLQKETLFRITGVHAYRIPALLYLKKQKTLLEFAEKRAKSTDEHAELIVLRRGSYNEATNRVKWQP
 EEVVTQAQLEGHRSMNPCPLYDKQTKTLFLFFIAVPGRVSEHHQLHTKVNVTSLCCVSSDHDGRTWSP
 DLTETTIGSTHQEWATFVAVGPHCLQLRNPAGSLLVPAYAYRKLHPAQKPTPFACFISLDHGHTWKLGN
 FVAENSLEQCVAEVTGAQRMVYLNARSFLGARVQAQSPNDGLDFQDNRVVSKLVEPPHGCHGSVAVFHN
 PISKPHALDTWLLYTHPTDSRNRNLGVYLNQMPDPTAWSEPTLLAMGICAYSDLQNMGGQPDGSPQFG
 CLYESGNYEIIFLIIFTLKQAFPTVFDAQ

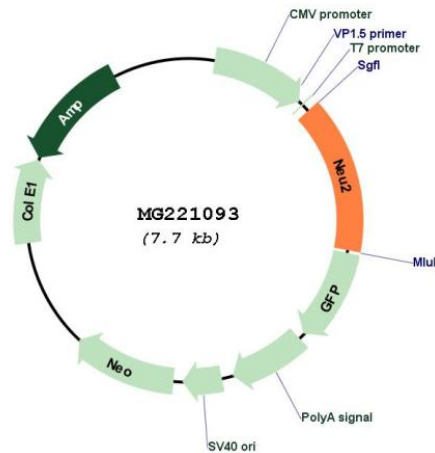
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_015750

ORF Size:	1137 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_015750.3 , NP_056565.1
RefSeq Size:	1588 bp
RefSeq ORF:	1140 bp
Locus ID:	23956
UniProt ID:	Q9JMH3
Cytogenetics:	1 D
Gene Summary:	Catalyzes the removal of sialic acid (N-acetylneuraminic acid) moities from glycoproteins, oligosaccharides and gangliosides.[UniProtKB/Swiss-Prot Function]