

Product datasheet for **MG221338**

Gm4141 (NM_001167163) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gm4141 (NM_001167163) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gm4141
Synonyms:	100042976; Vmn1r106
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221338 representing NM_001167163 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGCTCATGGTAAATCCCTGAAAACCACTGAGGAAGTGGCTCTTCAGCTCCTCTTGCTTTGCCAGT
TTGGGGTTGGGACCGTGGCCAATGTCTTTCTTTTGTCCATAATTTCTCTCCAGTCTTGACTGGTTCTAA
ACAGAGACCCAGACAGGTGATTTTAGGCCATATGGCTGTGGCCAATGCCTTGACTCTATTCCTCACTATA
TTTCCAAACAACATGATGGCTTTTGTCCAAAACCTCCAAAATGAACTCAAATGAAAATTAGAATCTT
TCAGTCTCCTGGTGGCAAGAAGCACAACTTGTGTCCACCTGTGTCCTGAGTATCCATCAGTTTTTTCAC
TCTTTTTCTGTTAGTAGAGGTAAGGTAACCTTATACTCAGAGCAAGTGTCCAAAATTTGGCGAGTTAT
TCTTTTTATAGTTGTTGGTTTTTTCAGTGTCTTAAGTAACATCCACATTCCAATTAGGGTCACTGGTCCAC
AGATAACAGACAATAACACTGACTCTAAAAGCACTTGTCTGTTCCTTCTGGATTCAATTGTAGGCAT
TGTCTTGCAGTTTGCCCATGATGACACATTCATGAGCATCATGGTCTGGACCAGTGTCTCCATGGTACTT
CTCCTCCATAGACATCGCCAGCGAATGCAGCACATCCTCACTCCCAATCAGAACCCAGAGGCCAAGCTG
AGTCCAGAGCAACCCATACTATCCTGATGCTGGTGTACATTTGTTAGCTTTTTATCTTCTAAATTTGAT
TTGATCATCTTTCATGCCTTTTCTATACATTCTGTCTCTTCATAAGGCTTGTGAGTGGTTCTGGCT
GCAGTCTTCCCAGTATCTGCCCTTACTGTTGATCTTCAGAGATCCTAAAGATCCTTGTCTGTGCTCT
TCAAATGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221338 representing NM_001167163
 Red=Cloning site Green=Tags(s)

MSAHGKSLKTTEEVALQLLLLCQFGVGTVANVFLFVHNFSPVL T GSKQRPRQVILGHMAVANALTLFLTI
 FPNNMMAFAPKTPPNELKCKLESFSLVARSTNLCSTCVLSIHQFFTLFPVSRGKGLILRASVQNLASY
 SFYSCWFFSVLSNIHIPIRVTPQITDNNNTDSKSNLFCSTSGFIVGIVLQFAHDDTFMSIMVWTSVSMVL
 LLHRHRQRMQHILTPNQNPRGQAESRATHILMLVFTFVSYLLNCICIIHFHAFSIHSCLFIRLVSEVLA
 AVFPSICPLLLIFRDPKDPCSVLFKC

TRTRPLE - GFP Tag - V

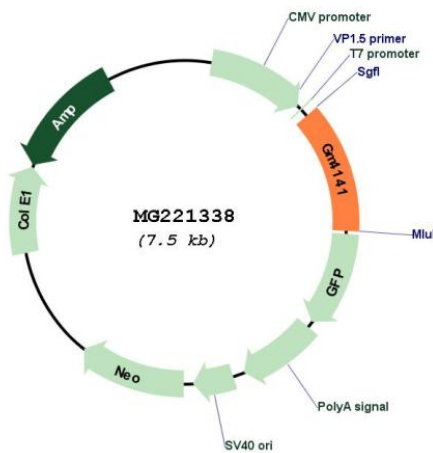
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001167163

ORF Size: 918 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_001167163.1 , NP_001160635.1
RefSeq Size:	921 bp
RefSeq ORF:	921 bp
Locus ID:	100042976
Cytogenetics:	7