

Product datasheet for **MR221338**

Gm4141 (NM_001167163) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gm4141 (NM_001167163) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gm4141
Synonyms: 100042976; Vmn1r106
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR221338 representing NM_001167163
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGCTCATGGTAAATCCCTGAAAACCACTGAGGAAGTGGCTCTTCAGCTCCTCTTGCTTTGCCAGT
TTGGGGTTGGGACCGTGGCCAATGTCTTTCTTTTGTCCATAATTTCTCTCCAGTCTTGACTGGTTCTAA
ACAGAGACCCAGACAGGTGATTTTAGGCCATATGGCTGTGGCCAATGCCTTGACTCTATTCCTCACTATA
TTTCCAAACAACATGATGGCTTTTGTCCAAAACCTCCAAAATGAACTCAAATGAAAATTAGAATCTT
TCAGTCTCCTGGTGGCAAGAAGCACAACTTGTGTCCACCTGTGTCCTGAGTATCCATCAGTTTTTCAC
TCTTTTTCTGTTAGTAGAGGTAAGGTAACCTTATACTCAGAGCAAGTGTCCAAAATTTGGCGAGTTAT
TCTTTTTATAGTTGTTGGTTTTTCAGTGTCTTAAGTAACATCCACATTCCAATTAGGGTCACTGGTCCAC
AGATAACAGACAATAACACTGACTCTAAAAGCACTTGTCTGTTCCACTTCTGGATTCAATTGTAGGCAT
TGTCTTGCACTTTGCCCATGATGACACATTCATGAGCATCATGGTCTGGACCACTGCTCCATGGTACTT
CTCCTCCATAGACATCGCCAGCGAATGCAGCACATCCTCACTCCCAATCAGAACCCAGAGGCCAAGCTG
AGTCCAGAGCAACCCATACTATCCTGATGCTGGTGTACATTTGTTAGCTTTTTATCTTCAAATTTGAT
TTGTATCATCTTTCATGCCTTTTCTATACATTCTGTCTCTTATAAGGCTTGTGAGTGGTTCTGGCT
GCAGTCTTCCCGATATCTGCCCTTACTGTTGATCTTCAGAGATCCTAAAGATCCTTGTCTGTGCTCT
TCAAATGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR221338 representing NM_001167163
Red=Cloning site Green=Tags(s)

MSAHGKSLKTTEEVALQLLLLCQFGVGTVANVFLFVHNFSPVL TGSKQRPRQVILGHMAVANALTLFLTI
 FPNMMAFAPKTPPNELKCKLESFSLVARSTNLCSTCVLSIHQFFTLFPVSRGKGLILRASVQNLASY
 SFYSCWFFSVLSNIHIPIRVTPQITDNNNTDSKSNLFCSTSGFIVGIVLQFAHDDTFMSIMVWTSVSMVL
 LLHRHRQRMQHILTPNQNPRGQAESRATHILMLVFTFVSFYLLNCICIIFHAFSIHSCLFIRLVSEVLA
 AVFPSICPLLLIFRDPKDPCSVLFKC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9088_d01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



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:

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

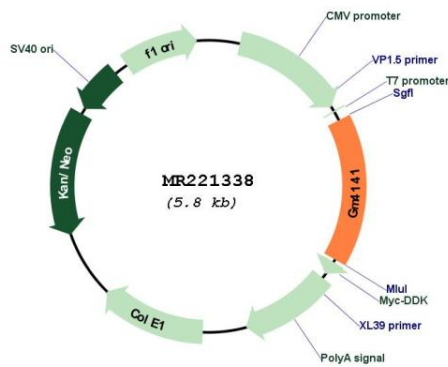
RefSeq ORF: 921 bp

Locus ID: 100042976

Cytogenetics: 7

MW: 34.3 kDa

Product images:



Circular map for MR221338