

Product datasheet for **MG215030**

Vrtn (NM_001033776) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Vrtn
Synonyms:	7420416P09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >MG215030 representing NM_001033776
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACGTCTCGGGATCAGCTGGTGCAGCAGGTGCTGCCGACCTGCAGGAGGCAGTGGAGTCCGAGGGCT
TAGAGGGTCTCATCGGTGCTGCCCTGGAGGCCAAGCAGGTCTATCTTCCTTACCCTTCCCATCTGCCA
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CCTCGGAACATGCTGCCCTTGGTGTGCAAGGGTGAGGGGAGCCTGTTGTTTGAAGCGACCAGCCTGTTGT
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ACCAGTATTTTGGCCCTGTTGTTGGGTGGAGGAGGTGGAGGCTGACTGTACTGCTAGCCTGAACCCCGT
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AGAGCCAACCCATAGTGGATCGTTGCCAAGCCAGACTCTGGCGGAGGCACCCGGGGCAGTATGGGCA
GGTGTGGTATGGACATGCTTACCACCAGGTTCAAGGCCAGGCCAAGCTGTTCTGCAGAAGCGG
TTCCAGTCTAAGACTTTCCCTCCTACAAGGAGTTCAGGGCTCTTCCCCTCACTGCCGCTCCACCT
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ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

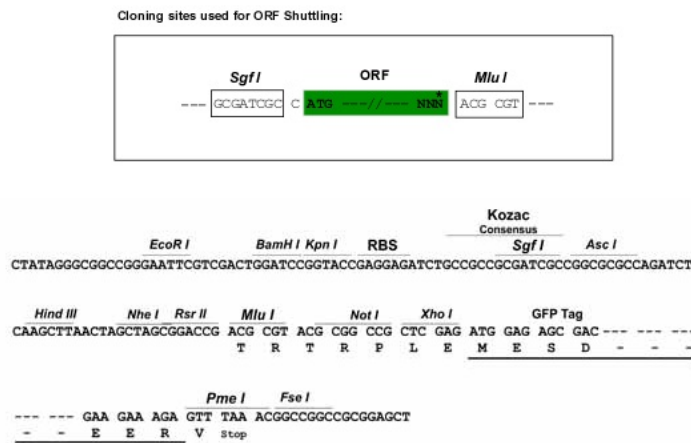
Protein Sequence: >MG215030 representing NM_001033776
 Red=Cloning site Green=Tags(s)

MTSRDQLVQQLRDLQEAVESEGLEGLGAALEAKQVLSSFTLPICQKGGPGAQVLEVDVALSLYPEDA
 PRNMLPLVCKGEGSLLFEATSLLLWGHTGLSLELRARTVVMELLHRHYLQGMIDSKVMLQAVRSLCSE
 ESPMTNLSFATLEAIFDADV KATCFPTSF SNVWHL YALASILECNIYSIYPMRNIKIRPYFNRVIMPRC
 STHVTSMLHIMWAGQPLTSHLFRHQYFAPVVGLEEV EADCTASLNPVPPNLGPLLPPAKTLELLNREPL
 SYSHLCDRISITKSTFYRWRQTQEHRQKVATRFSAKHFLQDSFHRGGFVPLQQFLQRFPEISRSTYYAW
 KHELLGSGANSALGPATPSREALAVPEVERPPGKAAEEVGCSSLAAMLSPMSMLMQRAKSFLEYCIS
 LNKLVYRCKCRFPGISRSTYYNRRKALRRTPSFKLSQAAFETAESLQPTDVGKETPFSLKREAGEEE
 TGKAGSGAPLTSRGLISPKMPLSRWQRRLRRAARKQVLNGLPFRCRFLRYPSSLPSTFWVWKSLSRRSP
 GMQIPSLSQRRQKPGGRQKPEGRQKPEEQKPEGRQKPEGRQKPEVPEQAMEADQNVPMVPPAETLPVA
 TSPEDVPGGPSREGNIIQEAAMTQSOPHSGSLPSQTLAEAPGGSDGQVLVMDMLTTTRFKAQAKLFLQKR
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



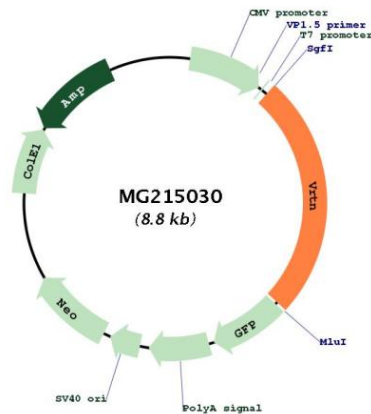
ACCN: NM_001033776

ORF Size: 2220 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001033776.2 , NP_001028948.1
RefSeq Size:	3028 bp
RefSeq ORF:	2223 bp
Locus ID:	432677
UniProt ID:	Q3SYK4
Cytogenetics:	12 D1

Product images:

Circular map for MG215030