

Product datasheet for **MG210444**

Raver1 (NM_027911) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Raver1 (NM_027911) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Raver1
Synonyms:	1300006N24Rik; AA050359; mKIAA1978
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MG210444 representing NM_027911
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGCCGACGTGTCCGTTACTCACCGCCGCCGCTGAGCCCAGAGGCGGAGGCCGAAGCGGAACTC
 CCGAGACCGTCGATCGCCGGGCGCCGAACAAGAGTTGCCGCCGCTCGATCCGGAAGAGATCCGGAAACG
 CCTGGAACACACTGAGCGCCAGTTCCGTAACCGCCGAAGATACTGATCCGAGGCCCTCCCGGGGACGTG
 ACCAACCCAGGAAGTACATGACCTCTGAGCGACTACGAACTCAAGTACTGTTTCGTGGACAAATACAAAG
 GGACAGCTTTTGTGACTCTGCTGAATGGGAGCAGGCTGAAGCTGCCATCAACACCTTCCACCAGAGCCG
 CCTTCGAGAGCGGGAGCTGTGAGTTGAGCTTGCAGCCTACCGATGCTCTGCTGTGCGTGGCCAACTACCA
 CCTAGTCTGACACAGGCACAATTTGAAGAGCTGGTGGGCCCTTTGGCAGCCTGGAGCGCTGCTTCTAG
 TGTACAGTGAGCGCACTGGCCACTCTAAAGGATATGGCTTGCAGAGTACATGAAGAAAGACTCAGCAGC
 CAGGGCCAAGTCTGACTTGTGCGCAAGCCACTGGGCCACGCACACTGTATGTGCACTGGACAGATGCT
 GGGCAGCTGACCCCTGCATTGTTGCACTCTCGATGCCTCTGTGTGGACCCTGCCACCTGGCTTCACTG
 ATGTGGATGCCCTGCGCCGGGCTCTGTGAGTGGTCTATACCCCCACCTTCTGTGCACTGGCATGTGGCCA
 GGATGGGAGCTAAAGGGCTTCGCGGTGCTGGAGTACGAGACAGCAGAGATGGCAGAGGCAGCACAGAA
 CGGGCAGATGGCCAGGCCCTGGGTGACAGCCACCTACGTGTGCTTTCTGTGCCCCAGGTCCCCCTGGCC
 GCAGCATGCTAGCAGCACTATTGCTGCCAGGCCACGGCTCTTAATCGAGGCAAGGGACTCCTGCCTGA
 GCCAAATCTTCTGAGCTGTTGAACAACCTGGGCCCATCTGCATCCCTCCAGTGTCTCTCAACCTCTG
 CTTTCATGGGGAGCCAGTGGCAAGCAGGGTCTCCTGGGTGCGCCCCCTGCTATGCCACTGCTCAGCGGGC
 CTGCCCTGTCCACTGCACTGCTGCAGCTAGCCCTGCAGAGCCAGAGCCAGAACCAGAGCCAGGGTCAGAA
 GAAGCCTGGGATCCTGGGCGACTCACCTCTGGGTACCCTCCAGGCCGGGGCCCAACCTTCCAACCTCCCTC
 CTTGGGGAGCTGTCTGCAGGGGGGGCCTAGCCCCGGAAGTGGCCGCCGCCGAGGGAAGCCACAACCTC
 TACTACCACCATTTGCTGGGTCCCTCTGGGGGTGACCGGGAGCCCATGGGTCTGGGTCCCCAGCAACCCA
 GCTCACTCCACCCCAGCCCCTGTGGGGTCCGAGGCTCCAACCATAGAGGCCTCCCAAAGGACAGTGGG
 CCCCTGCCAACGCCCCCTGGGGTCTCACTGCTGGGGGAGCCCCAAAGGACTACCGCATCCCCCTCAACC
 CCTACCTGAATCTACACAGCCTGCTTCCATCCAGTAACCTGGCAGGCAAGGAGACCCGGGGCTGGGGAGG
 CTCTGGGAGAGGCCGCCGCCAGCTGAGCCCCCTTGCCTAGCCCTGCAGTTCTTGGTGGAGGCAGTGGT
 AGCAACAATGGCAACAAAGCCTTCCAAATGAAGTCCCGCCTGCTCAGCCCATCGCCAGCAACCGCCTGC
 CCCCTGAGCCAGGCTGCCTGACAGCTATGGCTTTGATTATCCACAGATGTGGGACCTAGACGACTCTT
 CTCCCACCTCGGGAACCAACCTTAGGGGCTCATGGCCCCAGCCGACACAAGATGTCCCCCCCACCTAGC
 AGCTTCAATGAGCCCCGAAGTGGTGGAGGCAGTGGGGGACCCCTCTCTCATTTTTACTCTGGCTCACCCA
 CCTCTACTTACCAAGTGGCCTACAGGCTGGCCTCAAGCAGAGCCACCTGAACAAGGCTGTTGGTTCCCTC
 TCCAATGGGCTCCAGTGAAGGGCTCCTGGGCCTGGGCCCTGGGCCCAATGGTCACAGTCACTGCTGAAG
 ACCCCACTGGGTGGCCAGAAACGAGTTTTTCCACCTGCTGCCCTCACCTGAGCCCAGCCAGAGGGCA
 GCTACGTGGGCCAGCACTCCAGGGCCTCGCGGCCACTACGCGGACTCCTACCTGAAGCGGAAGAGGAT
 TTTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210444 representing NM_027911
 Red=Cloning site Green=Tags(s)

MAADVSVTHRPPLSPEAEAEETPETVDRRAPEQELPPLDPEEIRKRLEHTERQFRNRRKILIRGLPGDV
 TNQEVHDLSDYELKYCFVDKYKGTAFTVLLNGEQAEAAINTFHQSRLRERELSVQLQPTDALLCVANLP
 PSLTQAQFEELVRPFGSLERCFLVYSERTGHSGYGFAYMKKDSAAKASDLLGKPLGPRTLYVHWTDA
 GQLTPALLHSRCLCVDHLPFGSDVDALRRALSVVYTPFCQLACGQDQGLKGFVLEYETAEMAEAAQE
 RADGQALGDSHLRVSFCAPGPPGRSMLAALIAAQATALNRGKGLLPEPNLLQLLNNLGPASLQLLLNPL
 LHGGASGKQGLLGAPPAMPLLSGPALSTALLQLALQSQSQNSQSQGQKPGILGDSPLGTLQAGAQPNSL
 LGELSAAGGLAPELPPRRGKQPPLLPPLGPSGGDREPMGLGPPATQLTPPPAPVGLRGSNHRGLPKDSG
 PLPTPPGVSLLEPPKDYRIPLNPYLNHSLLPSSNLAKETRGWGGSGRGRRAEPPLSPAVPGGGSG
 SNNGNAFQMKSRLLSPIASNRLPEPGLPDSYGFDPYPTDVGPRLFSHPREPTLGAHGSRHKMSPPPS
 SFNEPRSGGGSGPLSHFYSGSPTSFTSGLQAGLKQSHLNKAVGSSPMGSSEGLLGLGPGNGHSHLLK
 TPLGGQKRFSHLLPSPEPSPEGSYVGQHSQGLGGHYADSYLKRKRIF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027911

ORF Size: 2244 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_027911.4](#)

RefSeq Size: 3465 bp

RefSeq ORF: 2247 bp

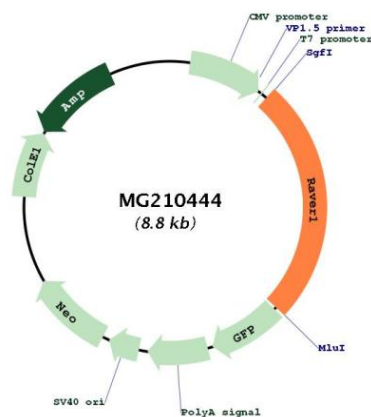
Locus ID: 71766

UniProt ID: [Q9CW46](#)

Cytogenetics: 9 A3

Gene Summary: Cooperates with PTBP1 to modulate regulated alternative splicing events. Promotes exon skipping. Cooperates with PTBP1 to modulate switching between mutually exclusive exons during maturation of the TPM1 pre-mRNA.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210444