

Product datasheet for **RG222034**

RAVER1 (NM_133452) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAVER1 (NM_133452) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RAVER1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG222034 representing NM_133452
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCCGCTCCGCCCCGGCTCGTGGTCCCAGAAGCGCCGGGTTTCCAAGATGGCGGCGGACGTGTCCG
 TTAATCACCGGCCCCCGCTGAGCCCTAAGTCTGGGGCCGAAGTCGAAGCCGGCGATGCCGCGGAGCGCCG
 GGCGCCGAAGAAGAGCTGCCGCTCTAGATCCAGAAGAGATCCGGAACGCCTGGAACACACCGAGCGC
 CAGTTCCGTAACCGCCGCAAGATACTGATCCGGGGCTCCCGGGGACGTGACCAACCAGGAAGTACATG
 ACCTGCTCAGTGACTATGAGCTCAAATACTGTTTTGTGGACAAATACAAAGGGACAGCCTTCGTGACCT
 GCTGAATGGGAGCAGGCCGAGGCCGAATCAATGCTTTCCACCAGAGCCGCTGCGGGAGCGTGAAGT
 TCGGTGCAGTGCAGCCACGGATGCCCTGCTGTGTGGCCAACTGCCCCCAGCCTCACACAGCAGC
 AGTTTCAGGAGCTGGTGGGCCCTTCGGCAGCCTGGAGCGCTGCTTCTGGTCTACAGTGAGCGCACTGG
 CCAATCCAAGGGCTATGGCTTTGCTGAGTACATGAAGAAGGACTCGGCTGCCGTGCCAAGTCGGACCTG
 CTGGGCAAGCCGCTGGGACCACGCACCCTCTACGTGCACTGGACGGATGCCGGGCAACTGACGCCTGCC
 TTCTCCACTCCCCTGCCTCTGTGTGGACCGCCTGCCACCTGGCTTCAACGATGTGGACGCTCTGTGCCG
 GGCGCTGTGAGTGTCCACAGCCCCACCTTCTGCCAGTGGCGTGCAGCCAGGATGGGACGTGAAGGGC
 TTCGCGGTGTGGAGTATGAGACGGCTGAGATGGCGGAGGAGGCACAGCAGCAGCGGACGGCCTGTCCC
 TGGGGGGCAGCCACCTGCGAGTCTCTTCTGCGCCCCGCGCCCCCGGCGCAGTATGCTGGCCGCTCT
 CATCGTGGCCAGGCCACGGCCCTCAATCGGGGAAGGGACTCCTCCCCGAGCCCAACATCTGCAGCTG
 CTCAACAACCTGGGCCATCCGCGTCCCTCCAGTGTCTCAACCCCTGCTCCATGGCAGTGGGGGG
 GGAAGCAGGGCTCCTGGGTGCCCCCAGCCATGCCGCTGCTCAATGGGCCAGCCCTGTCCACGGCGCT
 GTTGAGCTCGCCCTGCAGACCCAGGGCCAGAAGAAGCCGGCATCCTGGGAGACTCACCCCTGGGCGCC
 CTCCAGCCTGGGGCCAGCCAGCCAACCCCTCCTCGGGAGCTGCCTGCAGGAGGGGGCTGCCCCGG
 AGCTGCCGCCCCGGCGAGGGAAGCCACCACCCCTGCTGCCATCCGTGCTTGGCCCTGCTGGGGGTGACCG
 GGAGGCCCTGGGCTTGGGTCCCCCAGCGGCCAGCTCACTCCTCCCCCGCCCTGTGGGGCTCCGAGGC
 TCTGGCCTCAGAGGCTCCAGAAAGACAGTGGGCTCTGCCGACGCCCCCTGGGGTCTACTGCTGGGGG
 AGCCCCCAAGGACTACCGGATCCCTGAATCCCTACCTGAACCTACACAGCCTGCTCCCGCCAGCAA
 CCTGGCGGTAAAGAGGCCCGGGCTGGGAGGCGCGGAGAGCCGCCGCCAGCTGAGGGCCCCCA
 ACTAACCCCCAGCCCCCTGGAGGTGGCAGCAGCAGCAGCAAAGCCTTCCAGCTCAAGTCCCGCTGCTCA
 GCCCCCTCAGCAGCGCCGCTGCCCCCGAACCAGGACTGTCTGACAGCTACAGCTTCGACTACCCCTC
 GGACATGGGACCTCGGGGCTCTTCTCCACCCACGGGAACCAGCCCTTGGGCTCACGGACCCAGCCGA
 CACAAGATGTCCCCCGCCAGTGGCTTCGGCGAACGGAGCAGCGGTGGGAGTGGCGGGGGCCCCCTGT
 CTACTTCTATTAGGCTCGCCACTTCTACTTACCAGCGCCTGCAGGCTGGCCTCAAGCAGAGCCA
 CCTCAGTAAGGCAATCGGCTCTTCCCGCTGGGTCCGGAGAAGGGCTCCTGGGCTCAGCCCCGGGCT
 AATGGTCACAGCCACCTGCTGAAGACCCACTGGGCGGCCAGAAACGCAGCTTTGCCACCTGCTGCCCT
 CGCCGAGCCAGCCAGAAGGCAGCTATGTGGCCAGCACTCCAGGGCTCGGCGGCCACTACGCGGA
 CTCTACCTGAAGCGGAAGAGGATTTTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG222034 representing NM_133452
 Red=Cloning site Green=Tags(s)

MPLRPGSLVPEGAGFPKMAADVSVTHRPPLSPKSGAEVEAGDAAERRAPEEELPPLDPEEIRKRLEHTER
 QFRNRRKILIRGLPGDVTNQEVHDLSDYELKYCFVDKYGTAFVTLNNGEQAEAAINAFHQSRRLREREL
 SVQLQPTDALLCVANLPPSLTQQQFEELVRPFGSLERCFLVYSERTGQSKGYGFAEYMKKDSAARAKSDL
 LGKPLGPRTLIVHWTDAQQLTPALLHSRCLCVDRLPPGFNDVDALCRALSAVHSPTFCQLACGQDQGLKG
 FAVLEYETAEMAEAAQQQADGLSLGGSHLRVSFCAPGPPGRSMLAALIAAQATALNRGKGLLPEPNILQL
 LNNLGPASLQLLLNPLLHGSAGGKQGLLGAPPAMPLLNPGALSTALLQLALQTQGQKKPGILGDSPLGA
 LQPGAQPANPLLGEPLPAGGGLPELPPRRGKPPPLPSVLGPAGGDREALGLGPPAAQLTPPPAPVGLRG
 SGLRGLQKDSGPLPTPPGVSLLEPPKDYRIPLNPYLNHSLLPASNLAGKEARGWGAGRSRRPAEGPP
 TNPPAPGGGSSSKAFQLKSRLSPLSSARLPPEPGLSDSYSFDYPSDMGPRRLFSPHPREALGPHGPSR
 HKMSPPPSGFGERSSSGGSGGGLSHFYSGSPTSIFYTSLQAGLKQSHLSKAIGSSPLSGEGLLGLSPG
 NGHSHLLKTPGGQKRSFAHLLPSPEPSPEGSYVGQHSQGLGGHYADSYLKRRKRF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133452

ORF Size: 2268 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_133452.2](#), [NP_597709.2](#)

RefSeq Size: 3606 bp

RefSeq ORF: 2220 bp

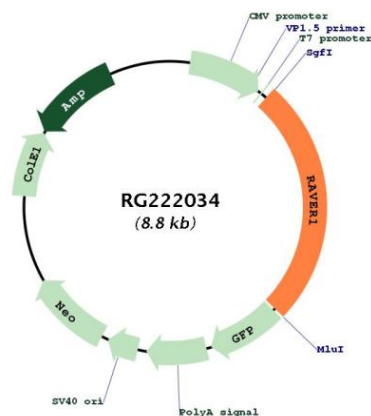
Locus ID: 125950

UniProt ID: [Q8IY67](#)

Cytogenetics: 19p13.2

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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG222034