

## Product datasheet for **SC107533**

### **RAVER1 (NM\_133452) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RAVER1 (NM_133452) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAVER1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL6</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_133452, the custom clone sequence may differ by one or more nucleotides

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ATGCCGCTCCGCCCCGGCTCGTGGTCCCAGAAGCGCCGGGTTCCCAAGATGGCGGCGGACGTGTCCG
TTACTCACCGGCCCCCGCTGAGCCCTAAGTCTGGGGCCGAAGTCGAAGCCGGCGATGCCCGGAGCGCC
GGCGCCGAAGAAGAGCTGCCGCCTCTAGATCCAGAAGAGATCCGAAACGCCTGGAACACACCGAGCGC
CAGTTCGGTAACCGCCGAAGATACTGATCCGGGGCCTCCGGGGGACGTGACCAACCAGGAAGTACATG
ACCTGCTCAGTGACTATGAGCTCAAATACTGTTTTGTGGACAAATACAAAGGGACAGCCTTCGTGACCT
GCTGAATGGGGAGCAGGCCGAGGCCGAATCAATGCTTTCCACCAGAGCCGCCTGCGGGAGCGTGAAGT
TCGGTGCAGTGCAGCCACGGATGCCCTGCTGTGTGGCCAACCTGCCCCCAGCCTCACACAGCAGC
AGTTCGAGGAGCTGGTGCGGCCCTTCGGCAGCCTGGAGCGCTGCTTCTGGTCTACAGTGAAGCGACTGG
CCAATCCAAGGGCTATGGCTTTGCTGAGTACATGAAGAAGGACTCGGCTGCCCGTCCAAGTCGGACCTG
CTGGGCAAGCCGCTGGGACCACGCACCCTCTACGTGCACTGGACGGATGCCGGGCAACTGACGCCTGCC
TTCTCCACTCCCCTGCCTCTGTGTGGACCGCCTGCCACCTGGCTCAACGATGTGGACGCTCTGTGCCG
GGCGCTGTGAGCTGTCCACAGCCCCACCTTCTGCCAGCTGGCGTGCGGCCAGGATGGGCAGCTGAAGGGC
TTCGCGGTGCTGGAGTATGAGACGGCTGAGATGGCGGAGGAGGCACAGCAGCAGGCGGACGGCCTGTCCC
TGGGGGGCAGCCACCTGCGAGTCTCCTTCTGCGCCCTGGGCCCCCGGCCGAGTATGCTGGCCGCTCT
CATCGTGTCCCAGGCCACGGCCCTCAATCGGGGAAGGGACTCCTCCCCGAGCCCAACATCCTGCAGCTG
CTCAACAACCTGGGCCATCCGCGTCCCTCCAGCTGCTGCTCAACCCCTGCTCCATGGCAGTGCGGGGG
GGAAGCAGGGCCTCCTGGGTGCCCCCAGCCATGCCGCTGCTCAATGGGCCAGCCCTGTCCACGGCGCT
GTTGCAGCTCGCCCTGCAGACCCAGGGCCAGAAGAAGCCCGGCATCCTGGGAGACTACCCCTGGCGCC
CTCCAGCCTGGGGCCAGCCAGCCAACCCCTCCTCGGGGAGCTGCCTGCAGGAGGGGGCCTGCCCGCG
AGCTGCCGCCCGCGAGGGAAGCCACCACCCCTGCTGCCATCCGTGCTTGGCCCTGCTGGGGGTGACCG
GGAGGCCCTGGGCTTGGGTCCCCACGGGCCAGCTCACTCCTCCCCCGCCCTGTGGGCTCCGAGGC
TCTGGCCTCAGAGGCCTCCAGAAAGACAGTGGGCTCTGCCGACGCCCTGGGGTCTCACTGCTGGGGG
AGCCCCCAAGGACTACCGGATTCCTTGAATCCCTACCTGAACCTACACAGCCTGCTCCCGCCAGCAA
CCTGGCGGTAAGGAGGCCCGGGCTGGGGAGGCGCCGGGAGAAGCCGCCAGCTGAGGGCCCCCA
ACTAACCCCCAGCCCTGGAGGTGGCAGCAGCAGCAGCAAAGCCTTCCAGCTCAAGTCCCGCTGCTCA
GCCCCCTCAGCAGCGCCGCTGCCCCGAACCAGGACTGTCTGACAGCTACAGCTTCGACTACCCCTC
GGACATGGGACCTCGGGGCTTCTCCCACCCACGGGAACCAGCCCTTGGGCCTCACGGACCCAGCCGA
CACAAGATGTCCCCCGCCAGTGGCTTCGGCGAACGGAGCAGCGGTGGGAGTGGCGGGGGCCCCCTGT
CTCACTTCTATTCAAGGCTCGCCACTTCTACTTACCAGCGGCCTGCAGGCTGGCCTCAAGCAGAGCCA
CCTCAGTAAGGCAATCGGCTTTCCTCCCGTGGGGTCCGGAGAAGGGCTCCTGGGCCTCAGCCCCGGGCT
AATGGTACAGCCACCTGCTGAAGACCCACTGGGCGGCCAGAAACGCAGCTTTGCCACCTGCTGCCCT
CGCCCCAGCCAGCCAGAAGGCAGCTATGTGGCCAGCACTCCCAGGGCCTCGGCGGCCACTACGGGA
CTCCTACCTGAAGCGGAAGAGGATTTCTAA
    
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_133452 unedited  
 AAACCCGCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAG  
 AGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCCGCAA  
 TTCGCACGAGGCCAAGATGGCGGCGGACGTGTCCGTTACTACCGGCCCCCGCTGAGCC  
 CTAAGTCTGGGGCCGAAGTGAAGCCGGCGATGCCGCGGAGCGCCGGGCGCCGGAAGAAG  
 AGCTGCCGCTCTAGATCCAGAAGAGATCCGAAACGCCCTGGAACACACCGAGCGCCAGT  
 TCCGTAACCGCCCAAGATACTGATCCGGGGCTCCCGGGGACGTGACCAACCCAGGAAG  
 TACATGACCTGCTCAGTGACTATGAGCTCAAATACTGTTTTGTGGACAAATACAAAGGGA  
 CAGCCTTCGTGACCCTGCTGAATGGGGAGCAGGCCGAGGCCGAATCAATGCTTTCCACC  
 AGAGCCGCTGCGGGAGCGTGAAGTGTCCGTGCAGCTGCAGCCCACGGATGCCCTGCTGT  
 GTGTGGCCAACTGCCCCAGCCTCACACAGCAGCAGTTCGAGGAGCTGGTGGGCCCT  
 TCGGCAGCCTGGAGCGCTGCTTCTGGTCTACAGTGAGCGCACTGGCCAATCCAAGGGCT  
 ATGGCTNTGCTGAGTACATGAAGAAGGGACTCGCTGCCCGTGCCAAAGTCGACCTGCTNG  
 GGCAGCCGCTGGGACCACGCACCCTCTACGTGCACTGGACGGATGCCNNGGCACTGACGC  
 CTGCCCTTCTCCACTCCNGCTGCTCTGTGTGGACCGNCTGCCNACTGCTTCACGNATGT  
 GACGCTCTGTGCCNGGCGCTGTACAGCTGTCCACAGCCCACTTTCTGCAGCTGCGTGGG  
 NCCAGATGGCAGCTGAGGGNCTTCCGTGCTGNAGTATGAGACGCCTGAGATGGNCGAGG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_133452 unedited  
 TTTTAACGATTTATCTATGNNACCGCGCCGCATNCTANGATCGAGTTTTTTTTTTTTTT  
 TTTTTTCTTTAAACCATTTACTTACAACTTTAATTCAGCAAAGGTCCGTGTGGGGAG  
 ACTGGGGTGGGGTGGGGGAATAGTCCCCTTGGAGTGGATGTGGACCCCAAGTCAAGG  
 GAGGGAAGCTGGTGGCCAGTTGGCTGGGGCAAGGCCACAGGTACCTCAGGTCGACAG  
 GTCCTGCTGGTGGGCGGCCAGAGTTTATCTTATGGAGTGTGGTTTTCTGGCACTGGG  
 CTGGAAGGAGGCCAGCTCCAGGGATCTGGCCGGGGTGGGCAGGCAGAATTCAAGAATTC  
 ATCTTCAACAAGCGAGTGACAGCAGAGGCTCCGGGAGATGGGCACAATGTCCGACTCCCA  
 CAGACAGACAGAGGGGACTGGCAGAGAAAGCCATCTCTGCACGGAGGCCCGGGTAGGA  
 GGGGGTGGTGGGGCCGGTTCGCCAAGATGAAGGCTTTCCCTTCTACTGTCCCAGGGTG  
 GAGATCCTGGGTAGGGTGGCCCAATCCCTAGGCCAGAGCTGTTTGGTCCATAGTCAAGCT  
 CCCAGAGCTTGGCATCTGTGGCTCTGGCCAGCAGGGCTGGGGCCAGCTTTTAAGGCAT  
 CANAAAGGGAGGGGCTGCGGCAGGGACCCCGGCCACGGCTGGGGTATAGGCCAGAT  
 GGGCAGGCAGGGGAGGAGAGCCTTGCTGCCGCAAATGTGGGAAAAACAGCTGTTTC  
 AAACCGCAAGTGTGAAGGGGGCCCGACAAGGCCCGGCCTGAAGGAATAAACTGGG  
 GCTGTCCCGGGTGG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_133452

**Insert Size:**

3700 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_133452.1](#), [NP\\_597709.1](#)

**RefSeq Size:** 3606 bp

**RefSeq ORF:** 3606 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]