

Product datasheet for **SC113648**

RAVER2 (NM_018211) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAVER2 (NM_018211) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAVER2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_018211, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCGGCGGCGGGAGACGGCGGCGGCGAGGGGGCGCGGGCCTGGGCAGCGCGGCGGGGCTGGGGC
CGGGGCCGGGGCTGCGCGGGCAGGGCCCTCAGCCGAAGCGCACGAGGGCGCCCCGACCCGATGCCCGC
CGCGCTGCACCTTGAGGAGGTGCGCGGCGGACTGCAGCGGATGCAGCGGGAGCTGAGCAACCGCAGGAAA
ATCCTGGTGAAAAACCTGCCCGAGGACAGCAACTGCCAGGAAGTTCATGATTTGTTAAAAAGACTATGACT
TAAATATTGTTATGTGGACAGAAATAAACGAACAGCTTTTGTACCTTATTGAATGGGGAACAAGCCCA
GAACGCAATTCAGATGTTTCATCAATATTCTTTTACAGGAAAAGACTTAATAGTCCAGCTTCAGCCAACA
GATGCTTTGTTGTATTACCAACGTGCCATTCTTTTACATCAGAAGAGTTTGAAGAAGTTGTTCTGTG
CTTATGGAATATTGAGAGATGTTTTCTGGTCTATAGTGAAGTTACTGGCATTCCAAAGGCTATGGATT
TGTGGAATACATGAAAAAGGACTTTGCTGCAAAGGCTAGACTGGAGCTATTGGGTAGACAGTTGGGAGCA
TCAGCACTCTTGCACAATGGATGGATGTTAATCTATTGGCTTCAGAGCTCATTATTCTAAGTGCCTTT
GTATTGATAAACTCCCGAGTGACTACAGGGATTGAGAAGAGCTGTTGCAAATTTTTCCAGTGCCATAA
ACCTGTGTTTTGCCAGCTTGACAGGATGAAGGTAGTTACGTTGGTGGCTTTGCAGTGGTTGAATATAGC
ACTGCGGAGCAGGCTGAAGAGGTCCAGCAGGCAGCAGCGGTATGACCATCAAGGCGAGCAAGTCCAGG
TTTCTTCTGTGCTCCTGGAGCGCCAGGGCGAAGTACATTAGCAGCATTGATAGCGGCTCAACGTGTGAT
GCACAGTAATCAAAGGGCTTACTTCCAGAGCCAAATCCAGTACAAATTATGAAAAGTTTAAACAACCT
GCCATGTTGCAAGTTCTTCTACAGCCCCAGTTATGTGGACGAGCTGTTAAACCAGCCGTTCTTGGAAAC
CTCACAGCTTGCCACATCTGATGAATCCATCCATCTCTCCTGCATTTTACATTTGAATAAAGCACATCA
GAATCTTCTCATATACCACTGGCACAACAACAATTAATGAAGTTTGAGAATATTCATACTAATAATAA
CCCGGCTTACTTGAGAGCCCCAGCTGTGGTACTTCAGACTGCAGTGGGATAGGGTCACTGCTTCCAT
TGAAAAAGGAGTTGGGACATCATCATGGAGAAGCACATAAAACATCTAGCCTGATTCCAACCTCAAACAAC
GATAACAGCTGGAATGGGCATGTTACCATTCTTTCCAATCAGCACATTGCTGGACAGGCTGGGCCAGGG
CACAGTAATACTCAGGAGAAACAGCCAGCCACGGTGGGAATGGCAGAAGGAAATTTCTCAGGGTCGCAGC
CTTATCTTCAGAGCTTTCCAAACCTTGCTGCTGGAAGCTTGCTGGTGGGACACCATAAGCAGCAGCAAAG
CCAGCCAAAAGGCACAGAGATAAGTTCCAGGGGCTGCCTCTAAGAATCAAACCTTCACTCTTGGGAGAACCA
CCAAAAGAAATTCGGCTCAGTAAAAATCCATACTTGAATTTGGCAAGTGTTGCCAGTGTGTGCTTAT
CATCCCCTGCAAGTAAACCACTCTTCATAAGACTGGAATTGCAAGCAGCATTCTGGATGCAATCTCTCA
GGGAAGTGAATCACAACACGATTGAAAAAGTGCATTGCTTATTCTCCACCTTTTGGTGATTATGCACAG
GTGTCATCTTTAAGAAATGAAAAGCGAGGCTCATCATATCTCATCTCTGCCCCAGAGGTGGTTCAGTGG
AATGTGTTGACCAGCATTCTCAGGGCACAGGAGCATATTACATGGAACTTACTTAAAAAAGAAGCGAGT
ATACTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018211 unedited

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GGCCGCGCAATTCGCACGAGGCTTTGTTGTGATTACCAACGTGCCATTCTTTTACAT
CAGAAGAGTTTGAAGAACTTGTTCTGTGCTTATGGAAATATTGAGAGATGTTTTCTGGTCT
ATAGTGAAGTTACTGGCATTCCAAAGGCTATGGATTTGTGGAATACATGAAAAAGGACT
TTGCTGCAAAGGCTAGACTGGAGCTATTGGGTAGACAGTTGGGAGCATCAGCACTCTTTG
CACAATGGATGGATGTTAATCTATTGGCTTCAGAGCTCATTATTCTAAGTGCCTTTGTA
TTGATAAACTCCCGAGTGACTACAGGGATTGAGAAGAGCTGTTGCAAATTTTTTCCAGTG
TCCATAAACCTGTGTTTTGCCAGCTTGACAGGATGAAGGTAGTTACGTTGGTGGCTTTG
CAGTGGTTGAATATAGCACTGCGGAGCAGGCTGAAGAGGTCCAGCAGGCAGCAGCGGTA
TGACCATCAAGGCGAGCAAAGTCCAGGTTTCTTCTGTGCTCCTGGAGCGCCAGGGCGAA
GTACATTAGCAGCATTGATAGCGGCTCAACGTGTGATGCACAGTAATCAAAGGGCTTAC
TTCCAGAGCCAAATCCAGTACAAATTATGAAAAGTTTAAACAACCTGCCATGTTGCAAG
TTCTTCTACAGCCCCAGTTATGTGGACGAGCTGTTAAACCAGCCGTTCTTGGAAACCTC
ACAGCTTGCCACATCTGATGAATCCATCCATCTCTCCTGCATTTTACATTTGAATAAAG
CACATCAGAATCTTTCTCATATACCACTGGNNCACACAACATTAATGAAGTTTGAGAATA
TTCATACTATTATAAAACCCGCTTACTTGGAAAGCCCCACCTNNGGTCTTCAAA
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_018211 unedited <pre> NNTTTAGCTATGGACCCGCGCCGCAATCTANAATCGAGTTTTTTTTTTTTTTTAC TGCATATGCCTTTTAATATTAAGATTTTCATTTCAAAGCATTCCAAACAATTTGCTTACA TAGAAAAATAACAGTATAGTTTTGGGGGGAGGAAGGGTGGGTACGGTCCTTACTACAA ACAAACAAACAAACACCACTTGATTTGCACTTCTTCACTGTTGTGCCAGTGATTGATAA CGGGGCACAGGCCAGTATGGATGGCATGTCCACTGTGCTGTAGTCCAGACACCTTTGTTT GTTTGTTTTAGTTCCTTCAACCTCTTCTGCTTTGACTGACTTTTGCAGCTCTGTTGCA AAATTCACCATCTTCTCTTCTGTTTGTGTTTGTGTTTGTACTATAGTGGAGGTGTG ACTAAGCATTGAAGAGGCTGAATGCAACAGGAAAATGGGAAAGAGAAGTGCAGGGCCTGA AAAACCCATTAGTCATCTGCTATATCACTGAATGATGCCTAATTCTTATCAGTTACTTAT AGGTAGTATACTAGAAATTACCTTAACTTTCTAGCTGTCAGTCATTTTCCAACAGAAG CTAGTATATGCAATAAATTAGACCAAGTAAATCTTTACAAAGCATACAACATATGTAC CAATTCTAGACTTCATAATTAACAGGATATCCACATCATAGTAAAAATAACAAGTCC CCANAGTGACGAGATATTTAATGATCTGATTTCAAAAACCCGGATTGAGATCCCAAATT CCTATCAATAATTACAGTCTTATACCATAAACTTAGAAAAATTCTAAATGGCAAAGGT TTCTNATGCATTTATACCCAGGTCTTAAGAAAGGGTGAGGCAAAAGTATTACTCCATAA GATAAACTCTTCCAAGTAAATGGGTAAAAACCG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_018211
Insert Size:	4000 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_018211.1 , NP_060681.1
RefSeq Size:	4376 bp
RefSeq ORF:	501 bp
Locus ID:	55225
UniProt ID:	Q9HCJ3
Cytogenetics:	1p31.3

Gene Summary:

May bind single-stranded nucleic acids.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) uses an alternate in-frame splice junction compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.