

Product datasheet for **SC101016**

C15ORF27 (TMEM266) (NM_152335) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C15ORF27 (TMEM266) (NM_152335) Human Untagged Clone
Tag:	Tag Free
Symbol:	C15ORF27
Synonyms:	C15orf27; HshVRP1; hTMEM266; HVRP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_152335, the custom clone sequence may differ by one or more nucleotides

```

ATGGCTGTGGCTCCATCTTTCAACATGACCAATCCACAGCCTGCCATAGAAGGAGGAATTTCTGAAGTTG
AGATCATCTCCCAACAAGTAGACGAAGAAACCAAGAGCATTGCTCCTGTGCAGCTGGTGAACTTTGCTTA
TCGGGACTTGCCCTGGCTGCTGTGCATCTCTCCACGGCGGGCTCGCAGCTCCTGTCAAATCTGGACGAA
GATTACCAAAGAGAAGGGTCTAACTGGCTGAAGCCGTGCTGTGGGAAGAGAGCAGCCGTGTGGCAGGTAT
TTTTGCTCAGTGCAAGTCTCAACAGTTTCTGGTAGCCTGTGTAATATTGGTGGTATTCTCCTGACTCT
GGAACCTCTAATAGATATAAAGCTTCTCCAGTTTTCCAGCGCATTCCAGTTTGTGGCGTGATCACTGG
ATCAGCCTGGTCAATTCTGTCCTGTTTCTCAGAGACTGTTCTACGGATTGTGGTGCTTGGGATCTGGG
ATTACATCGAAAACAAAATAGAGGTGTTTGACGGGGCTGTGATCATCCTATCTTTGGCTCCGATGGTGGC
ATCCACTGTGGCAATGGACCCAGGAGCCCTGGGACGCCATCAGCCTCATCATGCTCCGGATCTGG
AGGGTGAAGAGGGTCATTGATGCCTACGTCCTGCCAGTGAAGCTGGAGATGGAGATGGTTATCCAGCAGT
ACGAGAAGGCCAAGGTCAATCAAGACGAGCAGCTGGAGAGGCTGACGCAGATCTGTCAGGAGCAAGGGTT
TGAGATCCGGCAGCTGCGCGCGCACCTGGCGCAGCAGGACCTGGACCTGGCTGCCGAGCGCAAGCGGGC
CTCCAGGCCCGCACGTGCTCAGCCAGCCGCGCAGCCGCTTCAAAGTGTGGAGGCCGCGACGTGGGACG
AGGAGACGGCGCCGAGAGCGTCTGGAGGAGCTGCAGCCCTCGCAAGAAGCCACGATGAAGGACGACAT
GAACAGCTACATCAGTCACTATTACAATGGGCCAGCAGTGCAGCGGTGTCCCAGAGCCAGCTGTGTGT
ATGGTCACCACGGCCGAATAGACATTCACCAGCCCAACATCTCCTCGGACCTCTTCTCTGGACATGC
CCCTCAAACCTCGCGGTAATGGCACCAGCGCCACCTCGGAGAGTGCTCCCGCAGCTCAGTACCCGGGC
CCAGAGTGACAGCAGCCAGACGCTGGGCTCCTCCATGGACTGCAGCACTGCCCGGAGGAGCCAGCTCCAGGACCTGC
GAGCCCGGCCCTTCTCCCCCGCTGCCATCCCAGCAGCAGTGGAGGAGGCCACAGCTCCAGGACCTGC
TGTCTCCTGTGCGGAGACCCCTGCCCTTCCCAGAAGGCCTTGACCCAGCCCCCTCGCCCGGCCAG
CCCAGCGGGCTCGGCCAAACCAGCCCCGAGCTGGAACACAGGGTAAGTCTGTTCAACCAGAAGAACCAG
GAGGGCTTCACTGCTTTTCAGATCAGGCCTGTCATCCACTTCCAGCCACTGTGCCATGCTGGAGGACA
AGTTCAGATCTTTGGAATCCAAAGAGCAAAGCTGCACAGGGTCCCTGAGGCCTAG
    
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_152335 unedited

```

GTCAGNATTTTGTAAATACGACTCTACTATAGGGCGGCCGGAATTCGCACGAGGTTTCCA
GCGCATTCCAGTTTGTGGCGTGATTCACTGGATCAGCCTGGTCAATTCTGTCCGTGTTCT
TCTCAGAGACTGTTCTACGGATTGTGGTCTTGGGATCTGGGATTACATCGAAAACAAA
TAGAGGTGTTTGACGGGGCTGTGATCATCCTATCTTTGGCTCCGATGGTGGCATCCACTG
TGGCAATGGACCCAGGAGCCCTGGGACGCCATCAGCCTCATCATGCTCCGGATCT
GGAGGGTGAAGAGGGTCATTGATGCCTACGTCCTGCCAGTGAAGCTGGAGATGGAGATGG
TTATCCAGCAGTACGAGAAGGCCAAGGTCAATCAAGACGAGCAGCTGGAGAGGCTGACGC
AGATCTGTGAGGAGCAAGGGTTTGAGATCCGGCAGCTGCGCGCGCACCTGGCGCAGCAGG
ACCTGGACCTGGCTGCCGAGCGCAAGCGGCGCTCCAGGCCCGCACGTGCTCAGCCAGC
CGCGCAGCCGCTTCAAAGTGTGGAGGCCGCGCACGTGGGACGAGGAGACGGCGGCCGAGA
GCGTCTGGAGGAGCTGCAGCCCTCGCAAGAGCCACGATGAAGGACGACATGAACAGCTA
CATCAGTCACTATTACAATGGGCCAGCAGTGCAGCCGTGTCCCAGAGCCAGCTGTGTG
TATTTTACCACGGCCGAATAGACATTCACCAGCCCAACATCTNCTCGGACCTCTTCTC
TCTGGCATGCCNCAACTCCGCGTAATGGCACAGCGCCACTCGGGAGAGTGCTTCCGC
AGCTCATACCCGGCCAGNATGACAGCANCAGACGCTGGGCTCTCCTGGACGCAGACTG
CCGNAGGAGCGTCTTGGAGCCGNCCTTCCCCGCGTGATCAAAAAG
    
```

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_152335 unedited GCCATGGACGCGGCCGAATCNANGATCGAGTTTTTTTTTTTTTTTTTCTCAGTGCAGC TGGTTTTTATTATAAAGCCAAGTTGGAAAATGGTTGTTCCCTGCCCTCTAGGACCCT CCCACCCACCTCTAGGTTGATCCCTTTATATCCTGTGAAGGTGAAAAGTATGATTCGTT GAAGAGACTCAGAAACGCTCATGCTGGAATGAGAATGAGGACAAATGACATAGGCTCAGA TGGTGGTCTCCGTGTGATTGTGTTGGACTCCACCAGGATTCCTGGGAAAGACGGCTTAG GGTGGGGCTGGACAGCCCTGCTCACAGTGCTGTTCCCTAGAGTCCAGGGTGGGCGTCA GGAACGAAGGCAACGGAAGAGGCTGAGCTGGCCCCCACAACCTACCCTGCTGAAGCTG GGCCACAGGCTGGTTTTGTAAAAATGGTTAAAAAGAAAACCCAGCCACGAGCACCACCC TCCCTGAGCAGGGCGAGAAGAGGCGCCAGCTCTGGGCTTTGAGGTCTGAAGCTGTGGC CTCCTGGCTGGCGTCGCTCCCTGGAGGCAGGCAGCACCCCTGAGGGAGGCCAGGTGGGC TCCTGGGCCCCGCTGTGGCCCTTGGCAGCCTCCAGGGTCCAGGAGAGCTTTGAGATGG CTGTCTCCCTCATCTCACCCAGCCTATGGCAGGCTCTAGGCCTCAGGGACCCTGTGCAG CTTTTGTCTTTGGATTCAAAGATCTNGACTTGTCTCCAGCATGGGCACAGTGGGCTGG AAGTGGATGACAGCCTGATCTGAAAGAAGTGAAGCCCTCCTGGTTCTTCTGGGTGAACA GACTTACCTGGGTCCAACCTCGGGCTGGTTTGGGCCGACCCCGTGGCTGGGCCGCGAG GGGCTGGTTCAAGC
Restriction Sites:	NotI-NotI
ACCN:	NM_152335
Insert Size:	2000 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:	<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.
RefSeq:	NM_152335.1 , NP_689548.1
RefSeq Size:	2414 bp
RefSeq ORF:	1044 bp
Locus ID:	123591
UniProt ID:	Q2M3C6
Cytogenetics:	15q24.2
Protein Families:	Druggable Genome, Transmembrane

Gene Summary:

Voltage-sensor protein present on the post-synaptic side of glutamatergic mossy fibers and granule cells in the cerebellum (PubMed:25165868, PubMed:30810529). Despite the presence of a voltage-sensor segment, does not form a functional ion channel and its precise role remains unclear (PubMed:25165868, PubMed:30810529). Undergoes both rapid and slow structural rearrangements in response to changes in voltage (PubMed:30810529). Contains a zinc-binding site that can regulate the slow conformational transition (PubMed:30810529). [UniProtKB/Swiss-Prot Function]