

## Product datasheet for **MC218654**

### Tmem266 (NM\_172923) Mouse Untagged Clone

#### Product data:

|                    |  |
|--------------------|--|
| Product Type:      | Expression Plasmids                      |
| Product Name:      | Tmem266 (NM_172923) Mouse Untagged Clone |
| Tag:               | Tag Free                                 |
| Symbol:            | Tmem266                                  |
| Synonyms:          | 9630029F15; A1118078; HVRP1              |
| Vector:            | pCMV6-Entry (PS100001)                   |
| E. coli Selection: | Kanamycin (25 ug/mL)                     |
| Cell Selection:    | Neomycin                                 |



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**Fully Sequenced ORF:** >MC218654 representing NM\_172923  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTTTGGTTACATCTTTCAACATGGCCAATCCACAACCTGCCATTGAAGGAGGAATTTCTGAAGTTG  
 AGATTATCTCCCAACAAGTAGACGAAGAAACCAAGAGCATTGCTCCGGTGCAGCTGGTGAACTTTGCCTA  
 TCGGGACCTGCCCTGGCTGCCGTAGACCTCTCCACAGGGGGCTCACAGCTCCTGTCGAATTTGGACGAA  
 GAGTACCAAGAGAAGGGTCTGACTGGCTGAAGCCGTGCTGTGGGAAGAGAGCAGCCGTATGGCAGGTAT  
 TTTTGCTCAGTGAAGTCTCAACAGTTTCTGGTAGCCTGTGTAATATTGGTGGTGATCCTCCTGACTCT  
 GGAGCTTCTCATAGATACAAAGCTTCTCCAGTTTCCAATGCTTCCAGTTTGTGGTGTCACTTCACTGG  
 ATCAGTCTGGTATTCTCTGTGTTCTCTCAGAGACTGTCCTACGGATCGTGGTACTGGGGATCTGGG  
 ATTACATCGAAAACAAAATAGAGGTGTTTGACGGGGCTGTGATCATCCTGTCCTTGGCCCGATGGTGGC  
 GTCCTACTGTGGCTAACGGACCCAGGAGCCCTGGGATGCCATCAGCCTCATCATATGTTCCGAATCTGG  
 CGGGTGAAGAGGGTCAATTGATGCCTATGTCCTGCCAGTCAAGTTGGAGATGGAGATGGTCAACCAGCAGT  
 ATGAGAAGGCCAAGGCCATCCAAGATGAGCAGCTGGAAAGACTGACGCAAATCTGTCAGGAGCAAGGGTT  
 TGAGATCCGGCAGCTGCGTGCACCTGGCACAGCAGGACCTGGATCTGGCAGCCGAGCGGGAGGCGGCG  
 CTGCAGGCCCCACACGTGCTCAGCCAGCCACGCAGCCGCTACAAGGTCGTAGAGGCTGGCAGTGGGCCG  
 AGGAGACAGCAGCCGAGAGCATCGTGGAAGAGCTGAGGCCCTCTCAAGAAGCCACAGTAAAAGATGACAT  
 GAACAGCTACATCAGCCAATACTACAATGGGCCAGCAGTGACAGTGGAGCCCCAGAACCAGCAGTATGT  
 GTGGTCACTACAGCTGCCATAGACATCCACCAGCCCAATGTCCCTCAGACCTTCTCAGTCGACCTGC  
 CTCTGAAGCTCAGTGGCAACAGCACCTGCGCAGCGCCACCTCGGAGACCCTCCACTCTACCTGTGG  
 CTCAGTCAACCAGGGCCCAGAGTGGCAGCAGCCAGACACTGGGTTCTCCACAGACTGTAGCACCCCCGG  
 GAAGAGCTGCTGCCCTTAAGCCAGATCTTCTCCCTGCCACTGCTTCTGCCCCCTCAGCAGCTGGTGG  
 CAGAGGCCACAGTCCAGGACCTGATGTCCTCTCTGTCAAAGGACCCCTGCCATCCATAAGGCCTTGGA  
 CCCAGCACCCCTGGCCAGCCTACCCACTGGGCTCAGTCCAGACCAGCCCTGAGCTGGAGCATAGGGTG  
 AGTCTGTTCAACCAGAAGAACCAGGAGGCTCTCCCTGTTCTTCAGATCAACCCTGTCATCCACTTGACGC  
 CCACAGCGGGGCTGGAGGAGAAGTTCAGATCTTTGGAATCCAAAGAGCCAAAGTGCATACAGTTCTGA  
 GGCT**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_172923

**Insert Size:** 1617 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\\_172923.3](#), [NP\\_766511.1](#)

**RefSeq Size:** 2407 bp

**RefSeq ORF:** 1617 bp

**Locus ID:** 244886

**UniProt ID:** [Q8BZB3](#)

**Cytogenetics:** 9 B

**Gene Summary:** Voltage-sensor protein present on the post-synaptic side of glutamatergic mossy fibers and granule cells in the cerebellum. Despite the presence of a voltage-sensor segment, does not form a functional ion channel and its precise role remains unclear. Undergoes both rapid and slow structural rearrangements in response to changes in voltage. Contains a zinc-binding site that can regulate the slow conformational transition.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).