

Product datasheet for **SC103514**

TMEM25 (NM_032780) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | TMEM25 (NM_032780) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | TMEM25 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene ORF within SC103514 sequence for NM_032780 edited (data generated by NextGen Sequencing) |

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ATGGCGCTGCCTCCAGGCCAGCCGCCCTCCGGCACACACTGCTGCTCCTGCCAGCCCTT
CTGAGCTCAGGTTGGGGGAGTTGGAGCCACAAATAGATGGTCAGACCTGGGCTGAGCGG
GCACTTCGGGAGAATGAACGCCACGCCTTACCTGCCGGGTGGCAGGGGGCCTGGCACC
CCCAGATTGGCCTGGTATCTGGATGGACAGCTGCAGGAGGCCAGCACCTCAAGACTGCTG
AGCGTGGGAGGGGAGGCCTTCTCTGGAGGCACCAGCACCTTCACTGTCACTGCCATCGG
GCCAGCATGAGCTCAACTGCTCTCTGCAGGACCCAGAAGTGGCCGATCAGCCAACGCC
TCTGTATCCTTAATGTGCAATTCAAGCCAGAGATTGCCAAGTCGGCGCCAAGTACCAG
GAAGCTCAGGGCCAGGCCTCCTGGTTGTCCTGTTTGCCTGGTGCCTGCCAACCCGCCG
GCCAATGTCACCTGGATCGACCAGGATGGGCCAGTGACTGTCAACACCTTGACTTCTCT
GTGCTGGATGCGCAGAATAACCCCTGGCTCACCAACCACACGGTGCAGCTGCAGCTCCGC
AGCCTGGCACACAACCTCTCGGTGGTGGCCACCAATGACGTGGGTGTCAACAGTGCCTCG
CTTCCAGCCCCAGGGCTTCTGGTACCCGGTGGAAAGTGCCTGCTGGGCATTGTTGTG
GCTGCTGGGCTTGCACTGGGCACCCTCGTGGGTTTCCAGCACCTTGGTGGCCTGCCTGGTC
TGCAGAAAAGAGAAGAAAACCAAGGCCCTCCCGGCACCCATCTCTGATATCAAGTGAC
TCCAACAACCTAAACTCAACAACGTGCGCCTGCCACGGGAGAACATGTCCTCCCGTCC
AACCTTCAGCTCAATGACCTCACTCCAGATTCCAGAGCAGTGAACCAGCAGACCCGCAG
ATGGCTCAGAACAACAGCCGGCCAGAGCTTCTGGACCCGGAGCCCGGCGCTCCTCACC
AGCCGAGGTTTTCATCCGCTCCAGTGTGGGCTATATCTATCGAGTGTCCAGCGTGAGC
AGTGATGAGATCTGGCTCTGA

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Clone variation with respect to NM_032780.3
1025 a=>g



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032780 unedited
 GTCAAAAATTGTAACGACTCATATAGGGCGGCCGGAATTCGCACGAGGCGCAGCCCC
 GCCCCTGCAGCGGACTGCGGTGCTCATCAGACCTGAGCAGTTGCTCCGGCGGCGCTCGGG
 GAGGGAGCCAGCCTAGGGCCTAGGCCGGGCCACCATGGCGCTGCCTCCAGGCCAACCG
 CCCTCCGGCACACTGCTGCTCCTGCCAGCCCTTCTGAGCTCAGGTTGGGGGAGTTGG
 AGCCACAATAGATGGTCAGACCTGGGCTGAGCGGGCATTCCGGGAGAATGAACGCCACG
 CCTTCACCTGCCGGGTGGCAGGGGGCCCTGGCACCCCCAGATTGGCCTGGTATCTGGATG
 GACAGCTGCAGGAGGCCAGCACCTCAAGACTGCTGNAGCGTGGGAGGGGAGGCCTTCTCT
 GGAGGCACCAGCACCTTCACTGTCACTGCCCATCGGGCCAGCATGAGCTCAACTGCTCT
 CTGCAGGACCCAGAAGTGGCCGATCAGCCAACGCCTCTGTCATCCTTAATGTGCAATTC
 AAGCCAGAGATTGCCAAGTCGGCGCCAAGTACCAGGAAGCTCAGGGCCAGGCCTCTG
 GTTGTCTGTTTGCCTGGTGCCTGCCAACCCGCGGCCAATGTCACCTGGATCGACCAG
 GATGGGCCAGTGACTGTCAACACCTCTGACTTCTGGTGTGGATGCGCAGAACTACCC
 TGGCTCACCACCAACACNNGTGCAGCTGCAGCTNCGCAGCCTGGCACAAACCTNNTCGN
 TGGTGGCCACAATGACANGGGGGTGAACAAGTGCCTCGCTTCCAGCCCCAAGGCTTCTG
 CTACCCGNNTGAAANTGCACTGCTGGGATTGNNTGTGGCTGCTGGGCTTGCACTGGCA
 CCCTNGTGGGGTCAACACCTGGTGGGCTGCTGGTCTGCAGAAAAGAGAAAAACA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_032780 unedited
 ACCGCGGGCCGAATCTAGAGTTTGAATTCAGTCAAGTTTATTAACCTTGTGTGTGCTC
 TGCACCGCCCTAGGCAGTAACATGAAAAACATTACAAAAGAGATCTCAACAAGGAAAA
 ATATATTCTGACTATATTAATTTCCAATCATTACATGTTGCTTTTTAAAGTGTCTTA
 GGTCACTTTGGGTATGTGGTCTCCTTCTTCTCCATGTTCCCTAAAGCTGTTGAATTA
 TGTGCCTGTGGCACCATTCTCCAGGAAGGGCACCTTCTGCTGATGAGGCAACCATGGG
 TTGGTCAGGGCTGGGGTCCCGTGGTGGAGAGACATGCTGAGAGAAAAACCATCAACCC
 GAGAGCTCAGGACTCAGAGTGAATCCCAGAAGGCCAAACGTGGGAAGCCACAAGAG
 GGCTCTGGGCCCTCACTACCCCTCCCTAGGGGATGTGCTTAAAGTCTAACGCCGT
 ACGAAAATGATGCATAGCTACAAGCCGTCCTGGGTGCTACTAGACTCATCGCCTGCCTT
 TCCTCCTAACTTNGCTACTACTGGGCGACGGCACACGCCACTAGACCCGTCTAGTGCC
 CGTGCAGCCCTCGAGAACGTCCCCGTGAACCTAAAATCCCAACACGAGCTGGCGACA
 CACCACCACCCGCCAGGCACACCCCGCAGCAAAACTGGTNGTGTNTGGNNGCCCC
 GGTGCGTCAGCGTTGGCTCTCTCCCCATGCCCTTGGCTTCCACCCCCCCTCTCCCT
 CCTTCTCCTTCCGTACCCCTATCCTCTCCCTCTGTCCCCACCCCTTCCCGTCCCT
 CCCTTCTCCTCACGCCCTCCTTCTCCCTCCTTATCCGCGCCCCCCTACCCCC
 ACCCCATCCCTCCCTTTCCCTCCTAATTTCCACCCCTCCCCACCTCTCTCCATTTT
 AATCCGCCCCCCCCACCCCCCCGCCACATATATCCCCCCCCCACTCA

Restriction Sites:

NotI-NotI

ACCN:

NM_032780

Insert Size:

2500 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).

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| 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: | <u>NM_032780.2</u> , <u>NP_116169.2</u> |
| RefSeq Size: | 2491 bp |
| RefSeq ORF: | 1101 bp |
| Locus ID: | 84866 |
| UniProt ID: | <u>Q86YD3</u> |
| Cytogenetics: | 11q23.3 |
| Protein Families: | Transmembrane |
| Gene Summary: | <p>In neurons, modulates the degradation of NMDA receptor GRIN2B subunit. Plays a role in the regulation of neuronal excitability.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) uses an alternate splice junction in the 3' end compared to variant 7. The resulting isoform (1) has a shorter and distinct C-terminus compared to isoform 6. 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 extent of this RefSeq transcript is supported by transcript alignments.</p> |