

Product datasheet for **SC325806**

TMEM25 (NM_001144037) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM25 (NM_001144037) Human Untagged Clone
Tag: Tag Free
Symbol: TMEM25
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001144037, the custom clone sequence may differ by one or more nucleotides
ATGGCGCTGCCTCCAGGCCAGCCGCCCTCCGGCACACACTGCTGCTCCTGCCAGCCCTT
CTGAGCTCAGGTTGGGGGAGTTGGAGCCACAAATAGATGGTCAGACCTGGGCTGAGCGG
GCACTTCGGGAGAATGAACGCCACGCCTTACCTGCCGGTGGCAGGGGGCCTGGCACC
CCCAGATTGGCCTGGTATCTGGATGGACAGCTGCAGGAGGCCAGCACCTCAAGACTGCTG
AGCGTGGGAGGGGAGGCCTTCTCTGGAGGCACCAGCACCTTCACTGTCACTGCCCATCGG
GCCAGCATGAGCTCAACTGCTCTCTGCAGGACCCAGAAGTGGCCGATCAGCCAACGCC
TCTGTCACTCCTTAATGTGCAATTCAAGCCAGAGATTGCCAAGTCGGCGCCAAGTACCAG
GAAGCTCAGGGCCAGGCCTCCTGGTTGTCTGTTTGGCCCTGGTGCCTGCAACCCGCCG
GCCAATGTCACCTGGATCGACCAGGATGGGCCAGTGACTGTCAACACCTCTGACTTCTG
GTGCTGGATGCGCAGAATAACCCCTGGCTCACCAACCACACGGTGCAGCTGCAGCTCCGC
AGCCTGGCACACAACCTCTCGGTGGTGGCCACCAATGACGTGGGTGTCACCAGTGCCTG
CTTCCAGCCCCAGGGCTTCTGGCTACCCGGTGGAAAGTGCCACTGCTGGGCATTGTTGTG
GCTGCTGGGCTTGCAGTGGGCACCCTCGTGGGTTTCAGCACCTTGGTGGCCTGCCTGGTC
TGCAGAAAAGAGAAGAAAACAAAGGCCCTCCCGGCACCCATCTCTGATATCAAGTGAC
TCCAACAACCTAAACTCAACAACGTGCGCCTGCCACGGGAGAACATGTCCTCCCGTCC
AACCTTACAGTCAATGACCTCACTCCAGATTCCAGAGCAGTGAAACCAGCAGACCGGCAG
ATGGCTCAGAACAACAGCCGGCCAGAGCTTCTGGACCCGGAGCCCGGCGCTCCTCACC
AGCCAAGGAAGAAGAAATCAGGACAAAGACGCA

Restriction Sites: Please inquire
ACCN: NM_001144037
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).
OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.



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:	<u>NM_001144037.1, NP_001137509.1</u>
RefSeq Size:	1681 bp
RefSeq ORF:	1056 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 (4) differs in the 3' UTR and coding sequence compared to variant 7. The resulting isoform (4) has a shorter and distinct C-terminus compared to isoform 6.</p>