

## Product datasheet for **SC324943**

### TMEM25 (NM\_001144035) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM25 (NM_001144035) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM25
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	<p>&gt;NCBI ORF sequence for NM_001144035, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGGCGCTGCCTCCAGGCCAGCCGCCCTCCGGCACACACTGCTGCTCCTGCCAGCCCTT CTGAGCTCAGGTTGGGGGGAGTTGGAGCCACAAATAGATGGTCAGACCTGGGCTGAGCGG GCACCTTCGGGAGAATGAACGCCACGCCTTCACCTGCCGGGTGGCAGGGGGGCTGGCACC CCCAGATTGGCCTGGTATCTGGATGGACAGCTGCAGGAGGCCAGCACCTCAAGACTGCTG AGCGTGGGAGGGGAGGCCTTCTCTGGAGGCACAGCACCTTCACTGTCACTGCCCATCGG GCCCAGCATGAGCTCAACTGCTCTCTGCAGGACCCAGAAGTGGCCGATCAGCCAACGCC TCTGTCATCCTTAATGTGCAATTCAAGCCAGAGATTGCCAAGTCGGCGCCAAGTACCAG GAAGCTCAGGGCCAGGCCTCCTGGTTGTCTGTTTGGCCTGGTGGTGGCAACCCGCCG GCCAATGTCACCTGGATCGACAGGATGGGCCAGTGACTGTCAACACCTCTGACTTCCTG GTGCTGGATGCGCAGAACTACCCCTGGCTCACCAACCACACGGTGCAGCTGCAGCTCCGC AGCCTGGCACACAACCTCTCGGTGGTGGCCACCAATGACGTGGGTGTCAACAGTGGCTCG CTTCCAGCCCCAGGCCCTCCCGGCACCCATCTCTGATATCAAGTGACTCCAACAACCTA AAACTCAACAACGTGCGCTGCCACGGGAGAACATGTCCCTCCCGTCCAACCTTCAGCTC AATGACCTCACTCCAGATTCCAGAGCAGTGAAACCAGCAGACCGGCAGATGGCTCAGAAC AACAGCCGGCCAGAGCTTCTGGACCCGGAGCCCGGCGCCTCCTCACCAGCCAAGGTTTC ATCCGCTCCAGTGCTGGGCTATATCTATCGAGTGTCAGCGTGAGCAGTGATGAGATC TGGCTC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001144035
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.



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001144035.1, NP_001137507.1</u>
<b>RefSeq Size:</b>	2416 bp
<b>RefSeq ORF:</b>	969 bp
<b>Locus ID:</b>	84866
<b>UniProt ID:</b>	<u>Q86YD3</u>
<b>Cytogenetics:</b>	11q23.3
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<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 (6) differs in the 5' UTR, lacks an alternate in-frame exon, and uses an alternate splice junction in the 3' end compared to variant 7. The resulting isoform (2) lacks an alternate internal segment and has a shorter and distinct C-terminus compared to isoform 6. Variants 2 and 6 both encode the same isoform (2). 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>