

Product datasheet for **SC325618**

TMEM25 (NM_001144036) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM25 (NM_001144036) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM25
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001144036, the custom clone sequence may differ by one or more nucleotides ATGGCGCTGCCTCCAGGCCAGCCGCCCTCCGGCACACACTGCTGCTCCTGCCAGCCCTT CTGAGCTCAGTCAAGCCAGAGATTGCCCAAGTCGGCGCCAAGTACCAGGAAGCTCAGGGC CCAGGCCCTCCTGGTTGCTCCTGTTTGCCCTGGTGCCTGCCAACCCGCCGGCCAATGTCACC TGGATCGACCAGGATGGGCCAGTGACTGTCAACACCTCTGACTTCCTGGTGTGGATGCG CAGAACTACCCCTGGCTACCAACCACACGGTGCAGCTGCAGCTCCGCAGCCTGGCACAC AACCTCTCGGTGGTGGCCACCAATGACGTGGGTGTCACCAGTGCCTCGCTTCCAGCCCCA GGCCCCCTCCGGCACCCATCTCTGATATCAAGTGACTCCAACAACCTAAAACCTCAACAAC GTGCGCCTGCCACGGGAGAACATGTCCCTCCCGTCCAACCTTCAGCTCAATGACCTCACT CCAGATTCAGAGCAGTGAACCAGCAGACCGGCAGATGGCTCAGAACAACAGCCGGCCA GAGCTTCTGGACCCGGAGCCCGGCCTCCTCACCAGCCAAGGTTTCATCCGCCTCCCA GTGCTGGCTATATCTATCGAGTGTCCAGCGTGAGCAGTGATGAGATCTGGCTC
Restriction Sites:	Please inquire
ACCN:	NM_001144036
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).



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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_001144036.1](#), [NP_001137508.1](#)

RefSeq Size: 2107 bp

RefSeq ORF: 657 bp

Locus ID: 84866

UniProt ID: [Q86YD3](#)

Cytogenetics: 11q23.3

Protein Families: Transmembrane

Gene Summary: In neurons, modulates the degradation of NMDA receptor GRIN2B subunit. Plays a role in the regulation of neuronal excitability.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (3) lacks two in-frame exons and uses an alternate splice junction in the 3' end compared to variant 7. The resulting isoform (3) lacks two alternate internal segments and 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.