

## Product datasheet for **RC227827**

### **TMEM25 (NM\_001144035) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TMEM25 (NM\_001144035) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** TMEM25  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC227827 representing NM\_001144035  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCTGCCTCCAGGCCAGCCGCCCTCCGGCACACACTGCTGCTCCTGCCAGCCTTCTGAGCTCAG  
GTTGGGGGGAGTTGGAGCCACAAATAGATGGTCAGACCTGGGCTGAGCGGGCACTTCGGGAGAATGAACG  
CCACGCCCTTACCTGCCGGGTGGCAGGGGGCCCTGGCACCCAGATTGGCCTGGTATCTGGATGGACAG  
CTGCAGGAGGCCAGCACCTCAAGACTGCTGAGCGTGGGAGGGGAGGCCTTCTCTGGAGGCCACCGACCT  
TCACTGTCACTGCCATCGGGCCAGCATGAGCTCAACTGCTCTCTGCAGGACCCAGAAGTGGCCGATC  
AGCCAACGCCTCTGTCATCCTTAATGTGCAATTCAAGCCAGAGATTGCCAAGTCGGCGCCAAGTACCAG  
GAAGCTCAGGGCCAGGCCTCCTGGTTGCTGTTTGCCTGGTGCCTGCAACCCGCGCCCAATGTCA  
CCTGGATCGACCAGGATGGGCCAGTGTCAACACCTCTGACTTCTGGTGGTGGATGCGCAGAACTA  
CCCCTGGCTCACCAACCACCGGTGCAGCTGCAGCTCCGACCCCTGGCACACAACCTCTCGGTGGTGGCC  
ACCAATGACGTGGGTGTACCAGTGCCTGCTTCCAGCCCCAGGCCCTCCGGCACCCATCTCTGATAT  
CAAGTACTCCAACAACCTAAAACCTCAACAACGTGCGCCTGCCACGGGAGAATGTCCCTCCCGTCCAA  
CCTTCAGCTCAATGACCTCACTCCAGATTCCAGAGCAGTCAAACCAGCAGACCGGAGATGGCTCAGAAC  
AACAGCCGGCCAGAGCTTCTGGACCCGGAGCCCGCGGCCCTCTCACCAGCCGAGTTTCATCCGCCCTCC  
CAGTGTGGGCTATATCTATCGAGTGTCCAGCGTGTGAGCAGTGTGAGATCTGGCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC227827 representing NM\_001144035  
 Red=Cloning site Green=Tags(s)

MALPPGPAALRHTLLLLPALLSSGWGELEPQIDGQTWAERALRENERHAFTRVAGGPGTPRLAWYLDGQ  
 LQEASTSRLLSVGGEAFSGGTSTFTVTAHRAQHELNCSLQDPRSGRSANASVILNVQFKPEIAQVGAKYQ  
 EAQGPGLLVVLFALVRANPPANVTWIDQDGPVTVNTSDFLVLDAQNYPWL TNHTVQLQLRSLAHNLSVVA  
 TNDVGVTSASLPAPGSPRHPSL ISSDSNNLKLNNVRLPRENMSLPSNLQLNDLTPDSRAVKPADRQMAQN  
 NSRPELLDPEPGGLLTSRGFIRLPVLGYIYRVSSVSSDEIWL

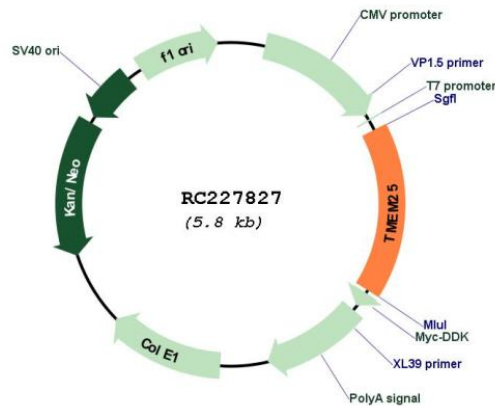
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001144035

<b>ORF Size:</b>	966 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001144035.1</a> , <a href="#">NP_001137507.1</a>
<b>RefSeq ORF:</b>	969 bp
<b>Locus ID:</b>	84866
<b>UniProt ID:</b>	<a href="#">Q86YD3</a>
<b>Cytogenetics:</b>	11q23.3
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	34.6 kDa
<b>Gene Summary:</b>	In neurons, modulates the degradation of NMDA receptor GRIN2B subunit. Plays a role in the regulation of neuronal excitability.[UniProtKB/Swiss-Prot Function]