

Product datasheet for RC227459

TMEM25 (NM_001144036) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM25 (NM_001144036) 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: >RC227459 representing NM_001144036
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGC

ATGGCGCTGCCTCCAGGCCAGCCGCCCTCCGGCACACTGCTGCTCCTGCCAGCCCTTCTGAGCTCAG
TCAAGCCAGAGATTGCCAAGTCGGCGCCAAGTACCAGGAAGCTCAGGGCCAGGCCCTCTGGTTGCTCT
GTTTGCCCTGGTGCCTGCCAACC CGCGCCAATGTCACCTGGATCGACCAGGATGGCCAGTACTGTC
AACACCTCTGACTTCTGGTGTGGATGCGCAGA ACTACCCTGGCTCACCAACCACCGGTGCAGCTGC
AGCTCCG CAGCCTGGCACACAACCTCTCGGTGGTGGCCACCAATGACGTGGGTGTACCAGTGCCTCGCT
TCCAGCCCCAGGCCCTCCCGGCACCCATCTCTGATATCAAGTACTCCAACAACCTAAAACCTCAACAAC
GTGCGCCTGCCACGGGAGAACATGTCCCTCCCGTCCAACCTTCAGCTCAATGACCTCACTCCAGATTCCA
GAGCAGTGAACAGCAGACCGGCAGATGGCTCAGAACAACAGCCGGCCAGAGCTTCTGGACCCGGAGCC
CGGCGCCTCTCACCAGCCAAGGTTTCATCCGCCTCCAGTGTGGCTATATCTATCGAGTGTCCAGC
GTGAGCAGTGTGAGATCTGGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227459 representing NM_001144036
Red=Cloning site Green=Tags(s)

MALPPGPAALRHTLLLLLALLSSVKPEIAQVGAKYQEAQGPGLLVVLFALVRANPPANVTWIDQDGPVTV
NTSDFLVLDAQNPWLTNHTVQLQLRSLAHNLSVATNDYGVTSASLPAGPSRHPSLISSDSNNLKLNN
VRLPRENMSLPSNLQLNDLTPDSRAVKPADRQMAQNNSRPELLDPEPGLLTSQGFIRLPVLGYIYRVSS
VSSDEIWL

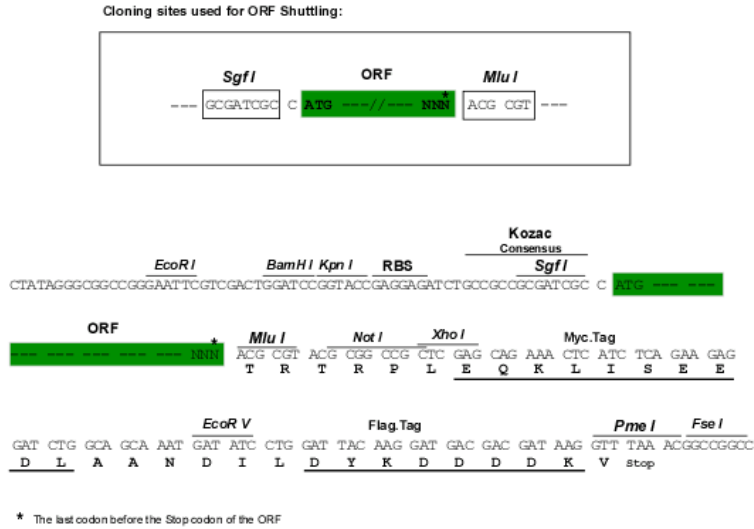
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



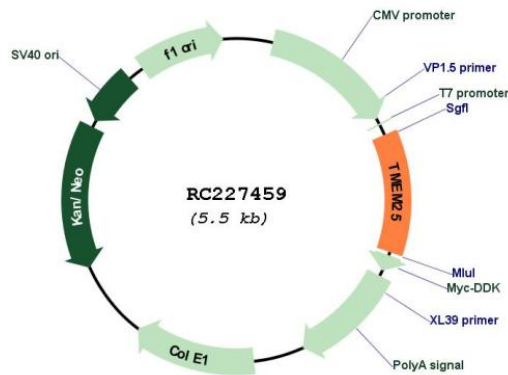
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001144036

ORF Size: 654 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001144036.2</u>
RefSeq ORF:	657 bp
Locus ID:	84866
UniProt ID:	<u>Q86YD3</u>
Cytogenetics:	11q23.3
Protein Families:	Transmembrane
MW:	23.3 kDa
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]