

Product datasheet for **MG215294**

Tmem25 (NM_027865) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tmem25 (NM_027865) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmem25
Synonyms:	0610039J01Rik; AI429491
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG215294 representing NM_027865 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAATTGCCTCTAAGCCAAGCTACCCTCCGGCACACTGCTGCTCCTTCTGCCCTCTTAAGTTCAG
GTCAAGGGGAGCTGGCGCCGAAATTGATGGTCAGACCTGGGCTGAGAGAGCGCTTAGGGAGAATGAGCA
CCATGCCTTACCTGTCGGGTTGCAGGAGGTTCTGCCACTCCCGATTAGCCTGGTACCTGGATGGACAG
CTACAGGAGGCCACCACCTCCCGACTGCTGAGTGTGGGTGGGACGCCTTCTCTGGAGGAACCAGCACTT
TCACTGTTACTGCCAGCGCTCCAACATGAGCTTAACTGCTCCCTGCAGGACCCAGGGAGTGGCCGGCC
AGCCAATGCCTCTGTATCCTCAATGTGCAATCAAAACCAGAGATTGCCAGGTTGGAGCCAAATACCAG
GAAGCTCAGGGCCAGGCCTTCTGGTTGTCTGTTTGGCCCTGGTGCGGGCCAACCACCTGCCAATGTCA
CCTGGATTGACCAGGATGGGCCAGTGACTGTCAATGCCTCTGACTTCTGGTGTGGATGCTCAGAACTA
TCCCTGGCTACCAACCACACTGTGCAGCTGCAGCTCCGGAGCTTGGCACACAACCTCTCGGTGGTGGCC
ACCAATGACGTGGGTGTCACTAGCGCTTCCCTCCAGTCCAGGGCTCCTGGCCACACGGATAGAAGTGC
CACTGTGGGCATCGTTGTGGCTGGAGGACTTGCCTTGGGCACCTAGTGGGTTTCAGTACCTTGGTGGC
CTGCCTGGTCTGCAGGAAAGAGAAGAAAACAAAAGGCCCTCCCGCGTCTCTCTGATATCTAGTGAC
TCCAATAACCTGAAACTGAATAATGTGCGCCTGCCACGGGAGAACATGTCCCTCCCATCCAACCTTCAGC
TCAATGACCTCACTCCAGATCTCAGAGGAAAGCAACAGAGCGGCAATGGCTCAGCATAGCAGCGCTCC
AGAGCTTCTAGAAGCCGAGCCTGGTGGCCTCCTACCAGCCGAGGTTTCATCCGTCTCCCGATGTTGGG
TACATCTACCGTGTGCCAGTGAAGCAGTGATGAGATTTGGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG215294 representing NM_027865
 Red=Cloning site Green=Tags(s)

MELPLSQATLRHTLLLLPALLSSGQGELAPQIDGQTWAERALRENEHHAFTCRVAGGSATPRLAWYLDGQ
 LQEATTSRLLSVGGDAFSGGTSTFTVTAQRSQHELNCSLQDPGSGRPNASVILNVQFKPEIAQVGAKYQ
 EAQGPGLLVVLFALVRANPPANVTWIDQDGPVTVNASDFLVLDAQNYPWLTNHTVQLQLRSLAHNLSVVA
 TNDVGVTASLPAPGLLATRIEVPLLLGI VVAGGLALGTLVGFSTLVAQLVCRKEKKTGKPSRRPSLISDD
 SNNLKLNNVRLPRENMSLPSNLQLNDLTPDLRGKATERPMAQHSSRPPELLLEAEPGGLLTSRGFIRLPMLG
 YIYRVSSVSSDEIWL

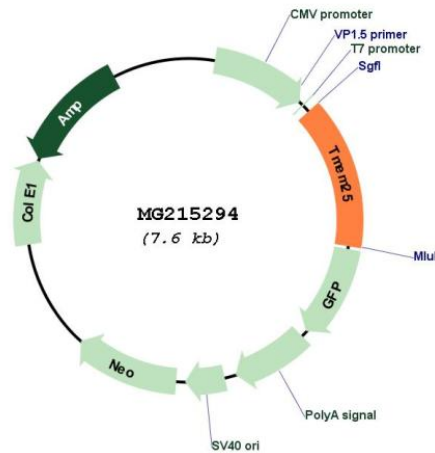
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_027865

ORF Size:	1095 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:	NM_027865.3
RefSeq Size:	2354 bp
RefSeq ORF:	1098 bp
Locus ID:	71687
UniProt ID:	Q9DCF1
Cytogenetics:	9 A5.2
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]