

Product datasheet for **SC216534**

TMEM108 (NM_001136469) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TMEM108 (NM_001136469) Human 3' UTR Clone
Symbol:	TMEM108
Synonyms:	CT124; RTLN
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001136469
Insert Size:	1819 bp



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Insert Sequence:	>SC216534 3'UTR clone of NM_001136469 The sequence shown below is from the reference sequence of NM_001136469. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GTGGGAAACGATCAAGTATCTGAGATCTAACTACAGCAGGCATCACTTTGCCATTCCGTATTTTCGTC TCTAAATTATAAATATACAAATACATATATTATAAATATAACCTTTGTGTAACCTGACTTAATGAGAA ACATTTTCAGCTTTTTTCTATGAATTGTCAACATCTTTTTTACAAGTGTGTTTAAAAAAAAAAAAA ACTTTACAGAATGATCTGTGGCTTTATAAAATAAAGGTATTTCTAAGCAAAGCAGTTGCATTGATTGCT TCTCTTAATAACTATTCTTGAGCACCTGGGGATCCAGGAACCTGGTCAGGTGAGGTAAGAGACTGAC CTCCTGTAGAAGCTGAATGTTACAGTGAAGCGCACGATTCTTTGAGTGATTCTTAAAGCTCTGTTTCC TCTTGATTTGGTGTGACCCCATTTCTCCCTTCTCATACGCACACCTGTAAAGGGAAGTGGACCGCCTC AGGGGAAGACGGCAGACTCATGCACAGAGAAGGAAAAGGGAACATCTCATCACCTCTGAGGATGAGTAC CCTGGAGCCTTATGACGGCACCATTGGATGTCATGTTTAAATTCCATCCAAGTTGTGGATGGCAGGCAGG AGCATGGAGCCCTCAGGAATCCATGGAGGACATCAAGGCATCCCAAGGCCATATCCCCTAACATTACT TCCACTGCTAACAAACAGGACTGCCTTTCCCTGGTGGGAAAATGCTCCCTTTATGCCCATTCCTGTATCC CCTCCAACACCCACATCTGCATTAACACCCGTGCCTTTCTCTTGAGAGGGTTTAGATGCAGATCCCG GCCCTGGAGCTTTAAATGCTTGCCTTCTCTTCAAGGATCAAATGTTTATTGGGGTTTCAGCTTTGT TTTCTCAAAGGCCATGGTATCGTGCCCTGAGGAACATGTTTATCTAAGAAGCTTTGAGGTAGTAGAG CGATAATTTTGAACCTTCTCCTGCAATCTTTAAAAAGAAAAAAGATTGCCCAACAAATCATT TGGGAGAAGACATCATTATACTCTACTTGGCACTGCAAACCTGCTCGCAGCACCAGCCGGTGGACTTG CCATCCAGCTCTCAGCTTCCACTGCTCCCTTGTTCCTGGCCGGCTGGCTGCCTCCCGTGCTGTGTCC AGCACGGCCAACACGTGAGACCCTCAGAGACGCCCAAGGGGCTTCCAGAGGTGGCCGCTTCTCTATTT TTTCTGATTGTGGCTGAGAGAGATGATTACTGCTTTGACACTTCCTTTCTCTAAAGAAAAATAGTTT GATAGTATATTTGAATATAGATGCTCTTATAGTCAGATTGGGAATTGAACCTGAATATTGGGTCATAT GTTTGTGTGTTGCTGTAGTCTATCATGACTTTTTTCTTCTGCATTTTCCTTAAAAAAAAAAAAAGA TGGCCTTCAAAGTGTGTTCTCAATGTTGTATGAACCTCCTTCACATGAGTTCGGTTGTTGTCTCTCT CAAAGACTCTTCAACCCACAAAGAAGCACTAAATGTTTCTTAAGTTTAAATTTCTAGCGTGTGTG TCTTACCTTTTTAACCTTACCATAATTTCTGTAACTGTTACATTTAATATACCAATGTGTGAAGT ATACAGAGAAAAATCTGTTTGTAAAGTAAATTTATATATAATATATGAATCAAAGATACATATGTTA TATATACATATGTGGATGTATGACTTATTTTCTTATCCACAGATTTACGCTACCATGTATATATAA TAACTTATTTTATTAGCCAGAGGA ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001136469.3</u>

Summary:	Transmembrane protein required for proper cognitive functions. Involved in the development of dentate gyrus (DG) neuron circuitry, is necessary for AMPA receptors surface expression and proper excitatory postsynaptic currents of DG granule neurons. Regulates the organization and stability of the microtubule network of sensory neurons to allow axonal transport. Through the interaction with DST, mediates the docking of the dynein/dynactin motor complex to vesicle cargos for retrograde axonal transport. In hippocampal neurons, required for BDNF-dependent dendrite outgrowth. Cooperates with SH3GL2 and recruits the WAVE1 complex to facilitate actin-dependent BDNF:NTRK2 early endocytic trafficking and mediate signaling from early endosomes.[UniProtKB/Swiss-Prot Function]
Locus ID:	66000
MW:	70.1