

Product datasheet for **SC108969**

TMEM14B (NM_030969) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM14B (NM_030969) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM14B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108969 sequence for NM_030969 edited (data generated by NextGen Sequencing)

ATGGAGAAGCCCCTCTCCCATAGTGCCTTTGCATTGGTTTGGCTTTGGCTACACAGCA
CTGGTTGTTTCTGGTGGGATCGTTGGCTATGTAAAAACAGGCAGCGTGCCGTCCCTGGCT
GCAGGGCTGCTCTTCGGCAGTCTAGCCGGCCTGGGTGCTTACCAGCTGTATCAGGATCCA
AGGAACGTTTGGGGTTTCTAGCCGCTACATCTGTTACTTTTGTGGTGTATGGGAATG
AGATCCTACTACTATGGAAAATTCATGCCTGTAGGTTTAATTGCAGGTGCCAGTTTGCTG
ATGGCCGCCAAAGTTGGAGTTCGTATGTTGATGACATCTGATTAG

Clone variation with respect to NM_030969.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_030969 unedited
AAGTCTACGATTTTGTAAACGACTTCACTATAGGGCGGCCGGAATTCGCACGAGGAAT
CGCGTTTCCGGAGAGACCTGGCTGCTGTGTCCCGCGGCTTGCCTCCGTAGTGGACTCCG
CGGGCCTTCGGCAGATGCAGGCCCTGGGGTAGTCTCCTTTCTGGACTGAGAAGAGAAGAAT
GGAGAAGCCCCTCTCCCATAGTGCCTTTGCATTGGTTTGGCTTTGGCTACACAGCACT
GGTTGTTTCTGGTGGGATCGTTGGCTATGTAAAAACAGGCAGCGTGCCGTCCCTGGCTGC
AGGGCTGCTCTTCGGCAGTCTAGCCGGCCTGGGTGCTTACCAGCTGTATCAGGATCCAAG
GAACGTTTGGGGTTTCTAGCCGCTACATCTGTTACTTTTGTGGTGTATGGGAATGAG
ATCCTACTACTATGGAAAATTCATGCCTGTAGGTTTAATTGCAGGTGCCAGTTTGCTGAT
GGCCGCCAAAGTTGGAGTTCGTATGTTGATGACATCTGATTAGCAGAAGTCATGTTCCAG
CTTGGACTCATGAAGGATTAATACTGCATCTTCCACTATTTTCAATGTATTAAGAGAA
ATAAGTGCAGCATTTTTCATCTGACATTTTACCTAAAAAAGACACCAAAATTTGG
CGGAGGGGTGGAAATCAGTTGTTACCATTATAACCTACAGAGGTGGTGAGCATGTAAC
ATGAGCTTATTGAGACCATCATAGATCGATTCTGGNATATTGATTTTATCTCTTTCTG
TATCTATAGGTAAATCTCAAGGGTAAAAATGTTANNGTGTGACATTGAGAACCCCTGAACC
CCATTNCCTGCTCAGAGGACAGTGTAAAAAATCTCTTGAGAGATTTAGATATCTTTT
CTTTTGCTCATCTTAGACACAGACTGACTTTGAAT



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_030969 unedited GCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTATTATTTATAGTAAACTTTA TTTTTCATTGATATTTCACTTAACATAATTTCAAAGTCAGTCTGTGGTCTAAGATGAGCAA AAGAAAAGATATTCTAAATCTCTCAAGAGATTTTTTTCACACTGTTCTCTGAGCAGGG AATGGGGTTTCAGGGTCTCAATGTCAACACCTAACATTTTACCCTTGAGATTTACCTAT AGATACAGAAAAGAGATAAAATCAATATACAAGAATCGATCTCTATGATGGTCTCAATAAG CTCATGTTACATGCTCACCACCTCTGTAGGGTTATAATGGTAACAAGTATTTTCCACCC CTCCGCCAAATTTGGTGTCTTTTTTTTTTTTAGGTAAAATGTCAGATGCAAAAATGCTGCA CTTATTTCTCTTAATACATTGAAAATAGTGGAAGATGCAGATTTTAAATCCTTCATGAGT CCAAGCTGGAACATGACTTCTGCTAATCAGATGTCATCAACATACGAACTCCAACCTTTGG CGGCCATCAGCAAACTGGCACCTGCCATTAAACCTACAGGCATGAATTTTCCATAGTAGT AGGATCTCATTCCATAACACCACCAAGTACCGATGTAGCGGCTAGGAAACCCCAAAGTT CCTTGGATCCTGATCAGCTGTAAACCCCGCCGGCTAGACTGCCAAAAACCACTTGA CCCGGGACGGCCCGCTCCCGTTTTTCTTACCACGGTCCCCATAACCACCATGCTGGGCG CCCAACCCACCCATGCCAAGCCCTTTTGGGAAAGGGCTTTTCTCTTTCTTTAACCCAA AGGACACCCCGCCCGTTTTCCCAAGGCCGGGCCCTCGGGCCAGTCGGGGACCCAC CCCGGTCTTTCGAAACCATCTCCTCG
Restriction Sites:	NotI-NotI
ACCN:	NM_030969
Insert Size:	1000 bp
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).
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:	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_030969.2</u> , <u>NP_112231.2</u>
RefSeq Size:	935 bp
RefSeq ORF:	345 bp
Locus ID:	81853
UniProt ID:	<u>Q9NUH8</u>
Cytogenetics:	6p24.2
Domains:	UPF0136
Protein Families:	Transmembrane

Gene Summary:

Primate-specific protein involved in cortical expansion and folding in the developing neocortex. May drive neural progenitor proliferation through nuclear translocation of IQGAP1, which in turn promotes G1/S cell cycle transitions.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes isoform a.