

Product datasheet for **SC333510**

TMEM14B (NM_001286484) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM14B (NM_001286484) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM14B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333510 representing NM_001286484. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
ATGCAGGCCTGGGGTAGTCTCCTTTCTGGACTGAGAAGAGAAGAATGGAGAAGCCCTCTTCCCATTGC
AGCGTGCCGTCCTGGCTGCAGGGCTGCTCTTCGGCAGTCTAGCCGGCCTGGGTGCTTACCAGCTGTAT
CAGGATCCAAGGAACGTTTGGGGTTTCCTAGCCGCTACATCTGTTACTTTTGGTGGTTATGGGAATG
AGATCCTACTACTATGAAAAATTCATGCCTGTAGGTTTAATGCAGGTGCCAGTTTGCTGATGGCCGCC
AAAGTTGGAGTTCGTATGTTGATGACATCTGAT**TAG**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001286484
Insert Size:	312 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).



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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_001286484.1</u>
RefSeq Size:	915 bp
RefSeq ORF:	312 bp
Locus ID:	81853
UniProt ID:	<u>Q9NUH8</u>
Cytogenetics:	6p24.2
Protein Families:	Transmembrane
MW:	11.1 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) lacks an alternate exon, resulting in translation initiation at an alternate start codon and a frameshifted 5' coding region, compared to variant 1. The encoded isoform (c) has a distinct N-terminus and is shorter than isoform a.</p>