

Product datasheet for SC301490

TMEM201 (NM_001010866) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM201 (NM_001010866) Human Untagged Clone
Tag:	Tag Free
Symbol:	TMEM201
Synonyms:	Ima1; NET5; SAMP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301490 representing NM_001010866. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGGAGTGAGCGCCTGCTGGCCCGCTGCCACGCGCCGGCTGGCCGGCGGCTGGGGGTACG
CGGTGCGCCGGCGCGCGTGTGCTCTACCGGATCGCGCGGAGGATGAAGCCAACGCACACGATGGTC
AACTGCTGTTCTGCAACCAGGATACGCTGGTGCCTATGGGAACCGCAACTGCTGGGACTGTCCAC
TGCGAGCAGTACAACGGCTTCCAGGAGAACGGCGACTACAACAAGCCGATCCCCGCCAGTACTGGAG
CACCTGAACCACGTGGTGAAGAGGTGCAACCACCAGACCACCAAGATCAAGCAGCTGGCCGCCCTTC
AGCCAAGTCTGTGTGAAGAGGTGCAACCACCAGACCACCAAGATCAAGCAGCTGGCCGCCCTTC
GCTCCCCGCGAGGAGGGCAGGTATGACGAGGAGGTGAGGTGTACCGGCATCACCTGGAGCAGATGTAC
AAGCTGTGCCGGCCGTGCCAAGCGGCTGTGGAGTACTACATCAAGCACCAGAACCGCCAGCTGCCGCC
CTGTTGCTCAGCCACCAGTTCAAGCGCCGGGAGGCCGACCAGACCACGCACAGAATTCTCCTCCGCC
GTGAAGTCCCCGGTCCAGGTCACTCTGCTCCGTGCCCTCGCCTTCTGGCCTGCGCCTTCTACTGACC
ACCGCGCTGTATGGGGCCAGCGGACACTCGCCCCAGGCACCACTGTGCCCTGGCCCTGCCACCTGGT
GGCAATGGCTCAGCCACACCTGACAATGGCACCACCCCTGGGGCCGAGGGCTGGCGGCAGTTGCTGGGC
CTACTCCCCGAGCACATGGCGGAGAAGCTGTGTGAGGCCTGGCCCTTTGGGCAGAGCCACCAGACGGGC
GTCGTGGCACTGGGCCTACTCACCTGCTGCTGGCAATGCTGCTGGCTGGCCGCATCAGGTCGGGAGG
ATCGATGCCCTTCTGCACCTGCCGTGGCCCTGCTGCTGGGGCTGCACCTGGCTGAGCAGCAGCTGCAG
GCCGCTCGCCTAGCTGGCTAGACACGCTCAAGTTGAGCACCACATCTTTGTGCTGCCTGTTGGCTTC
ACGGCGGCTGTGGCCACAAGGAAGGCAACGGGCCACGGAGGTTCCGGCCCCGAAGGTCAGAGAAGCAG
CCATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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ACCN:	NM_001010866
Insert Size:	1179 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001010866.3
RefSeq Size:	3912 bp
RefSeq ORF:	1179 bp
Locus ID:	199953
UniProt ID:	Q5SNT2
Cytogenetics:	1p36.22
Protein Families:	Transmembrane
MW:	43.4 kDa
Gene Summary:	<p>Involved in nuclear movement during fibroblast polarization and migration. Proposed to be involved in actin-dependent nuclear movement via association with transmembrane actin-associated nuclear (TAN) lines which are bound to F-actin cables and couple the nucleus to retrograde actin flow (By similarity). Overexpression can recruit Ran GTPase to the nuclear periphery (PubMed:27541860).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains a distinct 3' coding region and 3' UTR and lacks multiple 3' exons, compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus, compared to isoform 1.</p>