

Product datasheet for **SC326141**

TMEM201 (NM_001130924) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM201 (NM_001130924) 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)



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Fully Sequenced ORF: >SC326141 representing NM_001130924.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAGGGAGTGAGCGCGCTGCTGGCCCGCTGCCACGGCCGGCTGGCCGGCGCCTGGGGGTACAG
GCGTGCGCCCGGCCGGCGTGTGCTCTACCGGATCGCGGGAGGATGAAGCCAACGCACACGATGGTC
AACTGCTGGTTCTGCAACCAGGATACGCTGGTGCCTATGGGAACCGCAACTGCTGGGACTGTCCCAC
TGCAGAGCAGTACAACGGCTTCCAGGAGAACGGCGACTACAACAAGCCGATCCCAGCCAGTACTGGAG
CACCTGAACCACGTGGTGAAGAGGTGCAACCACCAGACCACCAAGATCAAGCAGCTGGCCGCCTTC
AGCCAAGTCTGCTGTGCAAGAGGTGCAACCACCAGACCACCAAGATCAAGCAGCTGGCCGCCTTC
GCTCCCCGCGAGGAGGCGAGGTATGACGAGGAGGTGAGGTGTACCGGCATCACCTGGAGCAGATGTAC
AAGCTGTGCCGGCGTGCCAAGCGGCTGTGGAGTACTACATCAAGCACCAGAACCGCCAGCTGCGCGCC
CTGTTGCTCAGCCACCAGTTCAGCGCCGGGAGGCCGACCAGACCACGCACAGAACTTCTCTCCGCC
GTGAAGTCCCAGTCCAGGTCATCTGCTCCGTGCCCTCGCCTTCTGGCCTGCGCCTTCTACTGACC
ACCGCGCTGTATGGGGCCAGCGGACACTTCGCCCCAGGCACCAGTGTGCCCTGGCCCTGCCACCTGGT
GGCAATGGCTCAGCCACACCTGACAATGGCACCACCCCTGGGGCCGAGGGCTGGCGGCAGTTGCTGGGC
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GACTCTGCCGGCCTTTTCCCACAGCCCGGAGTGGCCATCCCTCACCCGAGTGTGGAGGCTCTCCA
GGTCTCTGTTTATCCCAGCCCGCCAGCTTCTGCCCCTCGCCAACCAGCAGCTCTTCCGGTCTCCT
CGACGGACCTCACCTCCTCATTGCCTGGCCGCTCAGCCGGGCCCTCTCTGGAACCATACCCTCT
CTGACTCGAGCAGACTCCGGCTATCTGTTAGCGGTAGCCGCCACCATCTCAGGTGTCTCGATCTGGG
GAGTTTCTGTTTCAATTACTTCTCTTCTGTCGGGGAGTGGCCCTCTCCCAGTCCCTTCCCAC
GCGCCTTCCGTGGCCGGCTCGGTGGCTCCAGCTCCGGCTCTCTGCGCCACCGCAGGCCCTCATCAGC
CCTGCCCGGCTCAACCTGAAGGGACAGAAGCTGCTGCTGTCCCGTACCCCTGGAGAGGCCCCACC
ACGCCAGCAGCTCCGATGAGCACTCGCTCACAACGGCAGCCTTTACCATGGAGCCGCCCATGTT
CCCCGGAAGCCGCCCTGCAGGACGTGAAGCACGCCCTGGACCTGAGATCAAGTGGAAAGAGGCAGT
GCCTGCAGCAACCCTCCATCAAGAAAGAGGACGACTTCCCAGTCACTACCTGTGTGGTGGACACC
ACCACCAGGGGCTGCTCGGAGGAGGCCGCCACCTGGAGAGGTGTTTTCCGCCCTTCCCTGGTCCGGGGC
CTCCTGGCCGTGAGCTTGGCCGCCAACGCCCTGTTACCTCGGTGTTTGTACCAGAGCCTGCGCTGA

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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

ACCN: NM_001130924

Insert Size: 2001 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_001130924.2
RefSeq Size:	3857 bp
RefSeq ORF:	2001 bp
Locus ID:	199953
UniProt ID:	Q5SNT2
Cytogenetics:	1p36.22
Protein Families:	Transmembrane
MW:	72.2 kDa
Gene Summary:	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] Transcript Variant: This variant (1) encodes the longer isoform (1).