

Product datasheet for RC201329

Transmembrane Protein 101 (TMEM101) (NM_032376) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Transmembrane Protein 101
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201329 representing NM_032376 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGTCGAAGATAGGTTTCGAGACGGTGGATGTTGCAGCTGATCATGCAGTTGGGTTCCGTGCTGCTCA
CACGCTGCCCCCTTTGGGGCTGCTTCAGCCAGCTCATGCTGTACGCTGAGAGGGCTGAGGCACGCCGAA
GCCCCACATCCCAGTGCCTTACCTGTATTCGACATGGGGGCGCCGCTGCTGTGCGCTAGTTTCATGTCC
TTTGGCGTGAAGCGGCGCTGGTTCGCGCTGGGGGCCGCACTCCAATTGGCCATTAGCACCTACGCCGCT
ACATCGGGGGCTACGTCCACTACGGGGACTGGCTGAAGGTCCGTATGTACTCGCGCACAGTTGCCATCAT
CGGCGGCTTTCTTGTGTTGGCCAGCGGTGCTGGGGAGCTGTACCGCCGGAACCTCGCAGCCGCTCCCTG
CAGTCCACCGGCCAGGTGTTCTGGGTATCTACCTCATCTGTGTGGCCTACTCACTGCAGCACAGCAAGG
AGGACCGGCTGGCGTATCTGAACCATCTCCAGGAGGGGAGCTGATGATCCAGCTGTTCTTCGTGCTGTA
TGGCATCCTGGCCCTGGCCTTTCTGTCAGGCTACTACGTGACCCTCGTGCCAGATCCTGGCTGTACTG
CTGCCCCCTGTATGCTGCTCATTGATGGCAATGTTGCTTACTGGCACAACACGCGGCGTGTGAGTTCT
GGAACCAGATGAAGCTCCTTGGAGAGAGTGTGGGCATCTCGGAAGTCTGTATCCTGGCCACTGATGG
C

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC201329 representing NM_032376
 Red=Cloning site Green=Tags(s)

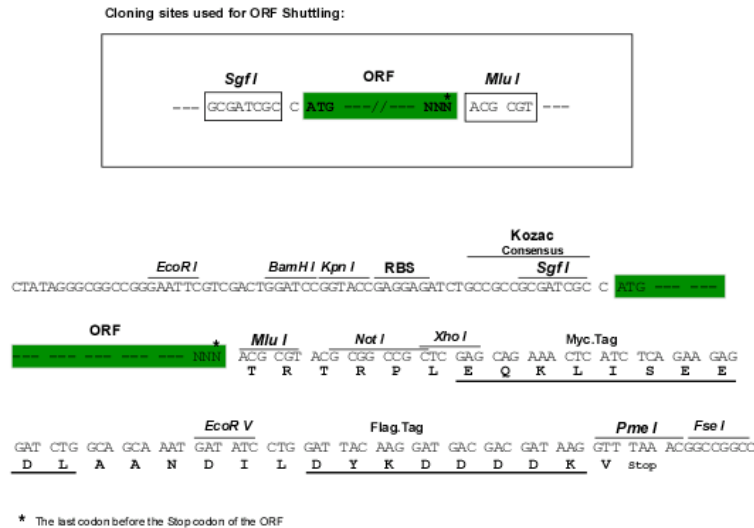
MASKIGSRRWMLQLIMQLGSVLLTRCPFWGCFSQLMLYAERAEARRKPDIPVPYLYFDMGAAVLCASFMS
 FGVKRRWFALGAALQLAISTYAAIIGGYVHYGDWLKVRMYSRTVAIIGGFLVLASGAGELYRRKPRSRSL
 QSTGQVFLGIYLICVAYSLQHSKEDRLAYLNHLPGGELMIQLFFVLYGILALAFLSGYYVTLAAQILAVL
 LPPVMLLIDGNVAYWHNTRRVEFWNQMKLLGESVGIFGTAVILATDG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1471_c08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032376

ORF Size: 771 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_032376.4](#)

RefSeq Size: 1563 bp

RefSeq ORF: 774 bp

Locus ID: 84336

UniProt ID: [Q96IK0](#)

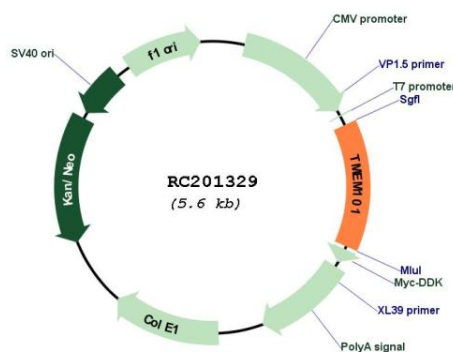
Cytogenetics: 17q21.31

Protein Families: Transmembrane

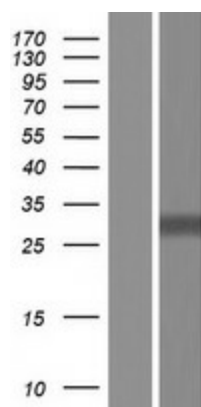
MW: 28.6 kDa

Gene Summary: May activate NF-kappa-B signaling pathways.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC201329



Western blot validation of overexpression lysate (Cat# [LY410169]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201329 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).