

Product datasheet for **RG219737**

TMEM150C (NM_001080506) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TMEM150C (NM_001080506) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: TMEM150C
Synonyms: TTN3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG219737 representing NM_001080506
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATGGGAAGAAATGCAGCGTATGGATGTTCTACCTCTTGTATTTACTTTGTTTACTTCAGCTGGAT
 TGTGGATAGTATACTTCATAGCTGTGGAAGATGACAAAATTTTACCATTAAATTCAGCTGAAAGGAAACC
 TGGTGTGAAGCATGCACCATATAAAGCATTGCAGGTGATGATCCTCCTGCAAGCTGTGTGTTTAGTCAA
 GTTATGAACATGGCAGCCTTCTAGCCCTTGTGGTAGCTGTTCTGCGCTTCATACAACTGAAACCGAAGG
 TTTTAAACCCGTGGCTGAATATTAGTGGATTGGTGGCTCTGTGTCTGGCTTCCTTCGGAATGACCTTACT
 TGGTAATTTTCAGCTCACAAATGATGAAGAAATCCATAACGTCGGAACCTCCTTGACCTTTGGATTTGGC
 ACATTGACCTGTGGATCCAGGCTGCGCTGACACTCAAGGTCAACATCAAGAATGAAGGACGGAGAGTTG
 GAATCCACGGGTATTCTGTCCGCATCTACTCTCTGTGTGGTCTACTTCTCATCCTCATGGCCCA
 AAGCATCCACATGTATGCAGCCAGGTCAGTGGGCTGGTCTGTGCTTCTGTCTTATTTTGGCACC
 TTTGCCGTGGAGTCCGGCATTACCGCTATGAGATTGTTTGTCTGAGTACCAGGAGAATTTCTAAGCT
 TCTCAGAAAGCCTGTCAGAAGCTTCTGAATATCAGACTGACCAGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG219737 representing NM_001080506
Red=Cloning site Green=Tags(s)

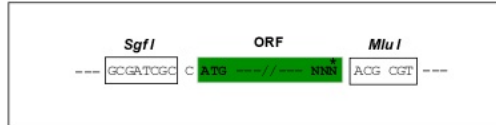
MDGKKCSVWMFLPLVFTLFTSAGLWIVYFIAVEDDKILPLNSAERKPGVKHAPYISIAAGDDPPASCVFSQ
 VMNMAAFALVVAVLRFIQLKPKVLNPWLNISGLVALCLASFGMTLLGNFQLTNDEEIHNVGTSLTFGFG
 TLTCWIIQAALTLKVNINIKNEGRRVGIIPRVILSASITLCVVLYFILMAQSIHMYAARVQWGLVMCFLSYFGT
 FAVEFRHYRYEIVCSEYQENFLSFSESLSEASEYQTDQV

TRTRPLE - GFP Tag - V

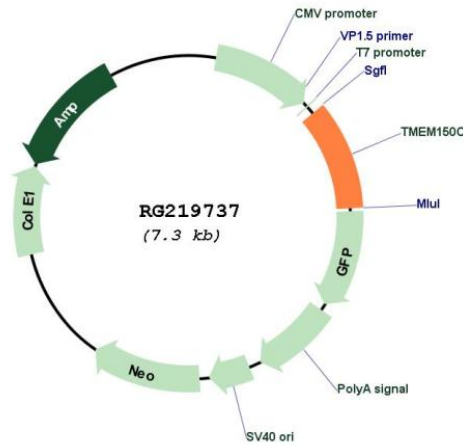
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001080506

ORF Size: 747 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:	<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_001080506.3
RefSeq Size:	1888 bp
RefSeq ORF:	750 bp
Locus ID:	441027
UniProt ID:	B9EIG8
Cytogenetics:	4q21.22
Gene Summary:	This gene encodes a transmembrane protein component of a mechanosensitive ion channel that is activated by mechanical stimuli in various cell types and confers slowly adapting, mechanically activated currents in dorsal root ganglion neurons. Mechanically activated ion channels are sensors that are critical for hearing, touch, pain, and blood pressure regulation. [provided by RefSeq, Jul 2017]