

## Product datasheet for **RG236778**

### **TMEM150B (NM\_001282011) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TMEM150B (NM_001282011) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TMEM150B
Synonyms:	DRAM3; TMEM224; TTN2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236778 representing NM_001282011. <b>Blue</b> =ORF <b>Red</b> =Cloning site <b>Green</b> =Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGGGGCTACCTGTCGCTGATGCCTGTCTTCCCTAGCTGTCTGGGCTATCTCTGGCGTCTGGATCGTT
TTTGCCATTGCAGTGACCAACAGGACTGTGGACCTCAGTAAAGGCTTCCCTACATCAGCATCTGCCGA
TCCTTCCCCCTCAGAGCTGCATCTTCAGCCAGGTGCTCAATATGGGAGCTGCTCTGGCCGCTGGATC
TGCATTGTCCGTTACCACCAGCTCCGGGACTGGGGCGTCAGAAGGTGGCCTAACCCAGCTGATCCTATGG
ACGGGTCTTCTGTGTGCCCTGGCACCTCCGTGGTAGGCAATTTCCAGGAAAAGAACCAGCGGCCTACG
CACTTGGCAGGGCCTTCCCTGCCTTCATCTTGGGTAACGTCTACTTCTGGCTGCAGCTCCTCCTGTGG
AGGCTGAAGAGGCTGCCCGAGCCGGGGCTGCCTGGATTGGGCCCTCCGCTGGGCCTCTGCAGGGTC
TGCACCATCCTCATTGTGGCCATGATCGTCCACGCCTGCTCGCTGCGTAGCGTCTCTGCGGCCTGC
GAGTGGGTTCGTGGCCATGCTGCTGTTCCGCGCTCTTCGGTCTTTAGCCGTTGACTTCTCCGCCCTGGAG
AGCTGCACCCTGTGTGTTTCAGCCGTGGCCAGCCCTCAGCCCCCGCCGGCCTCCCCATCTCCCTGCCG
GTCCAGCTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```



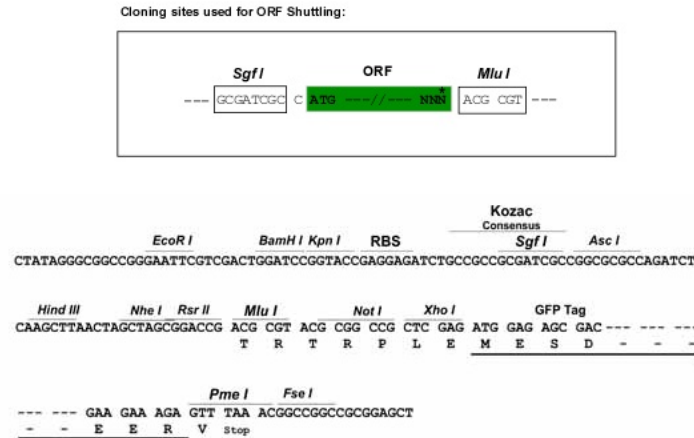
[View online »](#)

**Protein Sequence:** >Peptide sequence encoded by RG236778  
 Blue=ORF Red=Cloning site Green=Tag(s)

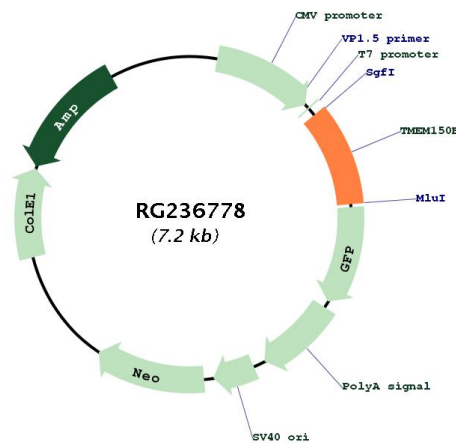
MWGYLSLMPVFLAVWAIISGVWIVFAIAVTNRTVDLSKGFPIYISICGSFPPQSCIFSQVLNMGALAAWI  
 CIVRYHQLRDWGVRRWPNQLILWTGLLALGTSVVGNFQEKQRPTHLAGAFLAFILGNVYFWLQLLLW  
 RLKRLPQPGAAWIGPLRLGLCSVCTILIVAMIVLHACSLRSVSAACEWVAMLLFALFGLLAVDFSALE  
 SCTL CVQPWPSLSPPPASPI SLPVQL  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE  
 SVIFTDKIIIRSNAVTEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001282011

<b>ORF Size:</b>	699 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001282011.2</a>
<b>RefSeq Size:</b>	982 bp
<b>RefSeq ORF:</b>	702 bp
<b>Locus ID:</b>	284417
<b>UniProt ID:</b>	<a href="#">A6NC51</a>
<b>Cytogenetics:</b>	19q13.42
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	25.7 kDa
<b>Gene Summary:</b>	This gene encodes a protein that belongs to the DRAM (damage-regulated autophagy modulator) family of membrane-spanning proteins. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]