

# Product datasheet for MG220492

# Tmem150b (NM\_177887) Mouse Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

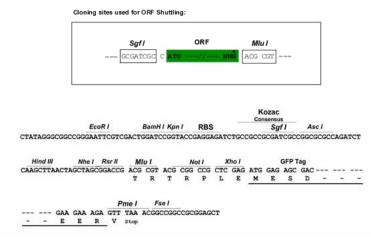
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Product Type:	Expression Plasmids
Product Name:	Tmem150b (NM_177887) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tmem150b
Synonyms:	A630041N19; Tmem224
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220492 representing NM_177887 Red=Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGTGGAATTACCTGTCCTTGCTGCCTGTCATCTTATTTCTGTGGGCTATAGCTGGCATCTGGATTGTTT TTGCAATCGCTGTGGTTAATGGTTCTGTGGACCTCAACGAAGGCTTCCCTTTTATCAGTATCTGTGGCTC TTATGCTCCTCAGAGCTGCATTTTCGGCCAAGTCCTCAATATAGGAGCTGCTCTAACTGTTTGGATCTGC ATTGTGCGTCATCACCAACTCCGGGACTGGGGCGTCAAAACCTGGCAAAACCAGCTAATTCTGTGGTCGG GGATCCTTTGTGCCCTGGGTACCTCCATAGTAGGCAACTTCCAGAGATCCCCAATACCCCAAAGCTGGTC AAGAGAGACTCACCGGAGA
	ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA
Protein Sequence:	>MG220492 representing NM_177887 <mark>Red</mark> =Cloning site Green=Tags(s)
	MWNYLSLLPVILFLWAIAGIWIVFAIAVVNGSVDLNEGFPFISICGSYAPQSCIFGQVLNIGAALTVWIC IVRHHQLRDWGVKTWQNQLILWSGILCALGTSIVGNFQRSPIPQSWSRETHRR
	TRTRPLE - GFP Tag - V
<b>Restriction Sites:</b>	Sgfl-Mlul

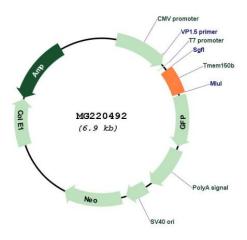


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#### **Cloning Scheme:**



Plasmid Map:



ACCN: ORF Size: OTI Disclaimer:

## NM\_177887

#### 369 bp

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. <u>More info</u>

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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> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 177887.4, NP 808555.1</u>
RefSeq Size:	2824 bp
RefSeq ORF:	372 bp
Locus ID:	330460
UniProt ID:	<u>Q8R218</u>
Cytogenetics:	7 A1
Gene Summary:	Modulator of macroautophagy that causes accumulation of autophagosomes under basal conditions and enhances autophagic flux (By similarity). Represses cell death and promotes long-term clonogenic survival of cells grown in the absence of glucose in a macroautophagy- independent manner (By similarity). May have some role in extracellular matrix engulfment or growth factor receptor recycling, both of which can modulate cell survival (By similarity). [UniProtKB/Swiss-Prot Function]

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