

## Product datasheet for **MG217488**

### Lrtm2 (NM\_172492) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lrtm2 (NM_172492) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lrtm2
Synonyms:	A230084J22; AI841794
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG217488 representing NM_172492 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGGCACCAGGCGGTGGCCAGAGCAGAGGAGCAAGCTTGTCTGCAATGGAGGCAGGTCTCTGGA  
TCACCTGCTGGATTGCCCTGTGTCTGTGGAGGTGATCCCTGCCTGCCCTTCTCCTGCACATGTGACAG  
TCGCAGCTTGGAGGTGGACTGCAGTGGCCTGGTCTCACCAGTACCCCGGATGTGCCCGGCCACC  
CAAAGCCTTTTGCTCCTGAACAATAAGCTGAGTGCCCTACCAAGCTGGGATTGCGCAACCTGTCCAACC  
TGCAGCGACTGGACCTGTCCAACAACCTTCTTGACCAGCTCCCGGTCATTTTCGAGGACTTGGTCAA  
TCTGACAGAGCTCCAGCTTCGGAATAACAGCATCAGGACCTGGACAGGGACCTGCTCCAGCACTCCCA  
CTACTTAGACATCTGGATTTGTCTATCAACGGCTTGGCCAGCTGCCCGGGGCTTTTGTATGGGCTCC  
TGGCTCTGCGCTCCTTGTCCCTCCGCTCCAATCGTCTGCAGAGCCTGGACCGGCTGACGTTCCAGCCCT  
GGCAAGCTGCAGCTGCTTCCAGTTGGGACAACCCGTGGGAGTGTGACTGCAACCTTCGGGAATTCAAA  
CACTGGCTGGAGTGGTTCTCCTACAGAGGGGTCGCTGGATCAGCTTGCCTGTACCCTACCAAGGAGC  
TAAGGGGAAGGACATGCGTGCGGTCCCATGGAGATGTTAACTACTGTTCCAGCTAGAGGATGAGAA  
CAACTCTGCTGGCTAGATGCTCCAGGACCACCCTGCACCAAGGCCAGCCCGGAGCCTCCTAAACCTAAG  
CCTGGGCTGAGCCTGAGCCGAACCCAGCACTGCCTGCCACAGAAGCAGAGGTACCGGCCGTGAGTG  
TGCGGCAGCCATTGGCACAGTGATCATCGCCGGGTCGTGTGGCATTGTCTGCATCATGATGGTGGT  
GGCCGCTGCTTACGGCTGCATCTACGCATCTCTCATGGCCAAGTACCACCGTGAGCTCAAGAAGCGCCAG  
CCGCTGATGGGGACCCTGAGGGTGAAGATCAGAAGCAGATCTCGTCTGTGGCA

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217488 representing NM\_172492  
 Red=Cloning site Green=Tags(s)

MLAPGGGPEQRSKLVLQWRQVSWITCWIALCAVEVIPACPFSCDCSRSLEVDCSGLGLTTVPPDVAAT  
 QSLLLLNNKLSALPSWAFANLSNLQRLDLNNFLDQLPRSFEDLVNLTELQLRNNSIRTLDRDLLQHSP  
 LLRHLDLSINGLAQLPPGLFDGLLALRSLSLRSNRLQSLDRLTFEPLASLQLLQVGDNPWECDCNLREFK  
 HWLEWFSYRGGRLDQLACTLPKELRGKDMRAVPMEMFNYSQLEDENNSAGLDAPGPPCKASPEPPKPK  
 PGAEPEPEPSTACPQKQRYRPVSVRRRAIGTVIIAGVVCGIVCIMMVAAAAYGCIYASLMAYHRELKRRQ  
 PLMGDPEGEHEDQKQISSVA

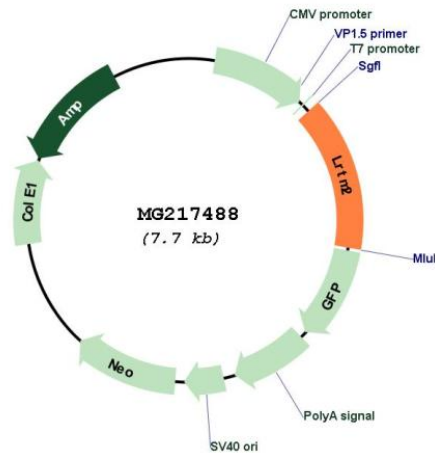
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_172492

<b>ORF Size:</b>	1110 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>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_172492.3</a> , <a href="#">NP_766080.1</a>
<b>RefSeq Size:</b>	3579 bp
<b>RefSeq ORF:</b>	1113 bp
<b>Locus ID:</b>	211187
<b>UniProt ID:</b>	<a href="#">Q8BGX3</a>
<b>Cytogenetics:</b>	6 F1