

## Product datasheet for **RG228854**

### LRTM2 (NM\_001163926) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LRTM2 (NM_001163926) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRTM2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG228854 representing NM_001163926 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGGCGCCGGGCAGCAGCCCTGGGCAGAGGGGCAGGCTCGCCCTGCAGTGGAGGCAAGTCTCCTGGA  
TCACCTGCTGGATCGCCCTGTATGCTGTGGAGGCCCTCCCCACCTGCCCTTCTCCTGCAAGTGTGACAG  
CCGCAGCCTGGAGGTGGACTGCAGTGGCCTTGGCCTACCACGGTGCCCCAGACGTGCCCGCAGCCACC  
CGAACCTCTTGCTCTTGAACAATAAGCTGAGTGCCCTGCCAAGCTGGGCTTTCGCCAACCTCTCCAGCC  
TGCAGCGTTGGACCTGTCCAACAACCTTCTGGACCGGCTGCCCGCTCCATTTTCGGGGACCTGACGAA  
TCTGACTGAGCTTCAGCTGCGCAATAACAGCATCAGGACCTGGACAGGGACCTGCTGCGGCACTCGCCG  
CTGCTCCGCCACCTGGACCTGTCCATCAACGGCCTGGCCAGTTGCCCCCTGGTCTTTTCGACGGGCTCC  
TGGCTCTGCGCTCCCTCTCGCTTCCGCTCCAACCGTCTGCAGAATCTGGACCGGCTGACATTTGAACCCCT  
AGCAAACCTGCAGCTGCTGCAGGTGGGGATAAACCCTGGGAGTGTGACTGTAACCTGCGTGAGTTCAA  
CACTGGATGGAGTGGTTCTCTACCGAGGGGGACGCTTGGACCAGCTGCCTGCACCCTGCCAAGGAGC  
TGAGGGGGAAGGACATGCGGATGGTCCCATGGAGATGTTCAACTACTGCTCCAGCTGGAGGACGAGAA  
TAGCTCAGCTGGGCTGGATATTCTGGCCACCCTGCACCAAGGCCAGTCCAGAGCCTGCTAAGCCCAAG  
CCCGGGGCTGAGCCGGAGCCGGAGCCAGCACAGCCTGCCACAGAAGCAGAGGCACCGCCGGCGAGCG  
TGAGGCGAGCCATGGGCACGGTGATCATTGCAGGGGTCGTGTGCGGCGTGTCTGCATCATGATGGTGGT  
GGCCGCTGCCTATGGCTGCATCTACGCCTCCCTCATGGCCAAGTACCACCGGGAGCTCAAAAAGCCAG  
CCCTGATGGGGACCCGAGGGCGAGCAGGACCAGAAGCAGATCTTCTGTGGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG228854 representing NM\_001163926  
Red=Cloning site Green=Tags(s)

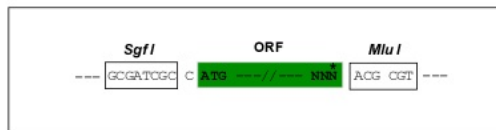
MLAPGSSPGQRGRALQWRQVSWITCWIALLYAVEALPTCPFSCCKDSRSLEVDSCGLGLTTVPPDVPAAAT  
 RTLLLLNNKLSALPSWAFANLSSLQRLDLNNFLDRLPRISIFGDLTNLTELQLRNNSIRTLDRDLLRHSP  
 LLRHLDLSINGLAQLPPGLFDGLLALRSLSLRSNRLQNLDRLTFEPLANLQLLQVGDNPWECDCNLREFK  
 HWMEWFSYRGGRLDQLACTLPKELRGKDMRMVPMEMFNYSQLEDESSAGLDIPGPPCTKASPEPAKPK  
 PGAEPEPEPSTACPQKQRHRPASVRRAMGTVIIAGVVCGVVICIMMVAAAAYGCIYASLMAKYHRELKRRQ  
 PLMGDPEGEHEDQKQISSVA

TRTRPLE - GFP Tag - V

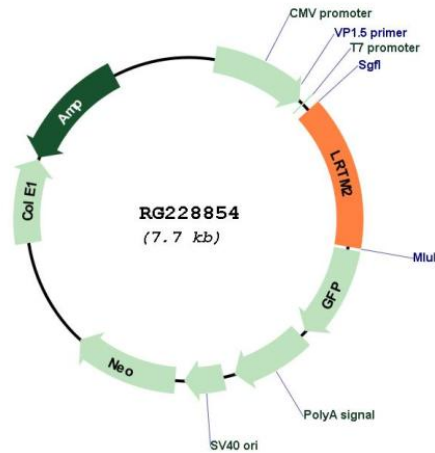
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_001163926

<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_001163926.2</a>
<b>RefSeq Size:</b>	3953 bp
<b>RefSeq ORF:</b>	1113 bp
<b>Locus ID:</b>	654429
<b>UniProt ID:</b>	<a href="#">Q8N967</a>
<b>Cytogenetics:</b>	12p13.33
<b>Protein Families:</b>	Transmembrane