

Product datasheet for **RG228853**

LRTM2 (NM_001163925) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRTM2 (NM_001163925) 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:	>RG228853 representing NM_001163925 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

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

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG228853 representing NM_001163925
 Red=Cloning site Green=Tags(s)

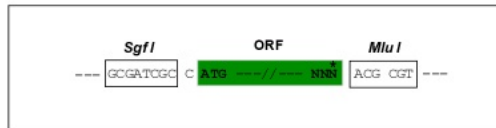
MLAPGSSPGQRGRALQWRQVSWITCWIALYAVEALPTCPFSCCKDSRSLEVDSCGLGLTTVPPDVAAT
 RTLLLLNNKLSALPSWAFANLSSLQRLDLNNFLDRLPRSI FGDLTNL TELQLRNNIIRTLDRDLLRHSP
 LLRHLDLSINGLAQLPPGLFDGLLALRSLSLRSNRLQNLDRLTFEPLANLQLLQVGDNPWECDCNLREFK
 HWMEWFSYRGGRLDQLACTLPKELRGKDMRMVPMEMFNYSQLEDESSAGLDIPGPPCTKASPEPAKPK
 PGAEPEPEPSTACPQKQRHRPASVRRAMGTVIIAGVVCGVVICIMMVAAAAYGCIYASLMAKYHRELKRRQ
 PLMGDPEGEHEDQKQISSVA

TRTRPLE - GFP Tag - V

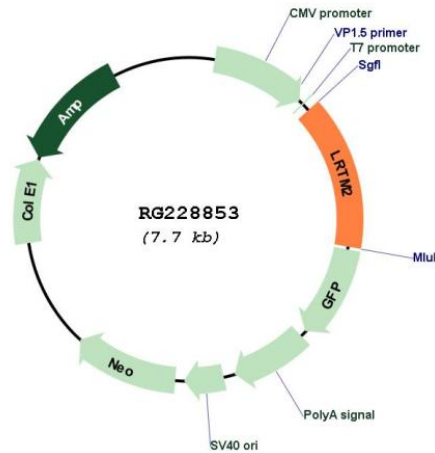
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001163925

ORF Size:	1110 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_001163925.1 , NP_001157397.1
RefSeq Size:	3986 bp
RefSeq ORF:	1113 bp
Locus ID:	654429
UniProt ID:	Q8N967
Cytogenetics:	12p13.33
Protein Families:	Transmembrane