

Product datasheet for **RG219042**

LRRTM4 (NM_024993) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	LRRTM4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RG219042 representing NM_024993
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGTTTCCATTTAATTACGCAGCTGAAAGGCATGAGTGTGGTGTGGTCTACTTCTACACTGCTGC
 TTGTTATGCTCACGGGTGCTCAGAGAGCTTGCCCAAAGAACTGCAGATGTGATGGCAAATTTGTGTACTG
 TGAGTCTCATGCTTTTCGAGGTATCCCTGAGAACATTTCTGGAGGGTCAACAAGGCTTATCATTAAAGTTC
 AACAGCATTCAGAAGCTCAAATCCAATCAGTTTGCCGGCCTTAACCAGCTTATATGGCTTTATCTTGACC
 ATAATTACATTAGCTCAGTGGATGAAGATGCATTTCAAGGGATCCGTAGACTGAAAGAATTAATTCTAAG
 CTCCAACAAAATTACTTATCTGCACAATAAAACATTTCAACCAGTTCCCAATCTCCGCAATCTGGACCTC
 TCCTACAATAAGCTTCAGACATTGCAATCTGAACAATTTAAAGGCCTTCGAAACTCATCATTTTGA
 TGAGATCTAACTACTAAAGACTGTGCCATAAGAGTTTTCAAGACTGTGGAATCTTGATTTTTTGA
 TTTGGTTACAATCGTCTTGAAGCTTGCCGAAATGCATTTGCTGGCCTCTTGAAGTTAAAGGAGCTC
 CACCTGGAGCACAACCAAGTTTCCAAAGATCAACTTGTCTATTTCCACGTCTCTCAACCTCCGCTCAA
 TTTACTTACAATGGAACAGGATTTCGTCCATTAGCCAAGGTTTGACATGGACTTGGAGTTTCCTTACACAA
 CTTGGATTTATCAGGGAATGACATCCAAGGAATTGAGCCGGGCACATTTAAATGCCTCCCCAATTTACAA
 AAATTGAATTTGGATTCCAACAAGCTCACAATATCTCAGGAACTGCAATGCGTGGATATCATTAA
 TATCCATCACATTGTCTGGAATATGTGGAATGCAGTCGGAGCATTGTCTTTATTTTATTGGCTTAA
 GAATTTCAAAGGAATAAGGAAAGCACCATGATATGTGCGGGACCTAAGCACATCCAGGGTGAAGGTT
 AGTGATGCAGTGAACATATAATATCTGTTCTGAAGTCCAGGTGGTCAACACAGAAAGATCACACCTGG
 TGCCCCAACTCCCGAGAACTCTGATTATCCCTAGACCTACCATCTTCAAACCTGACGTACCCAATC
 CACCTTTGAAACACCAAGCCCTTCCCGAGGGTTTCAGATTCTTGGCGCAGAGCAAGAGTATGAGCATGTT
 TCATTTACAAAATTATTGCCGGGAGTGTGGCTCTTTCTCTCAGTGGCCATGATCTCTTGGTGATCT
 ATGTGTCTTGGAACGCTACCCAGCCAGCATGAAACAACCTCCAGCAACACTCTCTTATGAAGAGGCGGCG
 GAAAAAGGCCAGAGAGTCTGAAAGACAAATGAATCCCCTTACAGGAGTATTATGTGGACTACAAGCCT
 ACAAACTCTGAGACCATGGATATATCGGTTAATGGATCTGGGCCCTGCACATATACCATCTCTGGCTCCA
 GGAATGTGAGGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

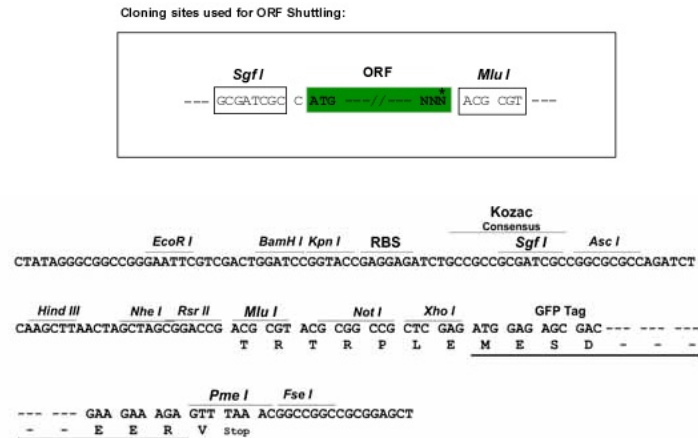
Protein Sequence: >RG219042 representing NM_024993
 Red=Cloning site Green=Tags(s)

MGFHLITQLKMSVVLVLLPTLLLVMLTGAQRACPKNCRCDGKIVYCESHAFAGIPENISGGSQGLSLRF
 NSIQKLKSNQFAGLNQLIWL YLDHNYISSVDEDAFQGIRRLKELILSSNKITYLHNKTFHPVNLRLNLDL
 SYNKLQTLQSEQFKGLRKLIIHLRLSNLKTVPPIRVFQDCRNLDLFDLGYNRLRSLSRNAFAGLLKLKEL
 HLEHNQFSKINFAPRLFNLRISIYQWNRIRISQGLTWTWSSLHNLDSGNDIQGIEPGTFKCLPNLQ
 KLNLDNKL TNISQETVNAWISLISITLSGNMWECRSICPLFYWLKNFKGNKESTMICAGPKHIQGEKV
 SDAVETYNICSEVQVNTERSHLVPQTPQKPLIIPRPTIFKPDVTQSTFETPSPSPGFQIPGAEQYEHV
 SFHKIIAGSVALFLSVAMILLVIYVSWKRYPASMKQLQQHSLMKRRRKKARESERQMNSPLQEYYVDYKP
 TNSETMDISVNGSGPCTYTISGSRECEV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024993

ORF Size: 1554 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:

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.

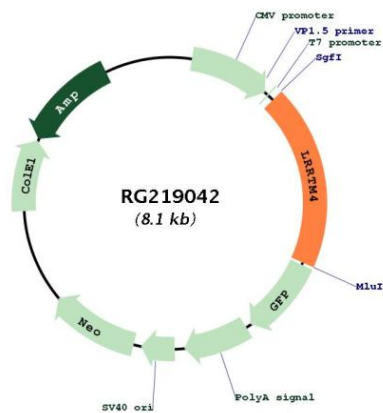
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_024993.3](#), [NP_079269.3](#)

RefSeq Size: 3616 bp

RefSeq ORF:	1557 bp
Locus ID:	80059
UniProt ID:	Q86VH4
Cytogenetics:	2p12
Protein Families:	Transmembrane
Gene Summary:	May play a role in the development and maintenance of the vertebrate nervous system. Exhibits strong synaptogenic activity, restricted to excitatory presynaptic differentiation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG219042