

Product datasheet for **RG238698**

LRRTM4 (NM_001282928) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LRRTM4 (NM_001282928) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRRTM4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238698 representing NM_001282928.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGCCAGGTTTCCATTTAATTACGCAGCTGAAAGGCATGAGTGTGGTGCTGCTACTTCTACACTG
CTGCTTGTATGCTCAGGGTCTCAGAGAGCTTGCCCAAAGAACTGCAGATGTGATGGCAAATTTGTG
TACTGTGAGTCTCATGCTTTCGAGATATCCCTGAGAACATTTCTGGAGGTCACAAGGCTTATCATT
AGGTTCAACAGCATTAGAAGCTCAAATCCAATCAGTTTGCCGGCCTTAACCAGCTTATATGGCTTTAT
CTTGACCATAATTACATTAGCTCAGTGGATGAAGATGCATTTCAAGGGATCCGTAGACTGAAAGAATTA
ATTCTAAGCTCCAACAAAATTACTTATCTGCACAATAAAACATTTACCCAGTTCCTCAATCTCCGCAAT
CTGGACCTCTCTACAATAAGCTTCAGACATTGCAATCTGAACAATTTAAAGGCCTTCGGAACCTCATC
ATTTTGCCTTGAGATCTAACTCACTAAAGACTGTGCCATAAAGATTTTTCAAGACTGTCGGAATCTT
GATTTTTTGGATTGGGTTACAATCGTCTTGAAGCTTGTCCGAAATGCATTTGCTGGCCTCTTGAAG
TTAAAGGAGCTCCACCTGGAGCACAACCGATTTTCCAAGATCAACTTTGCTCATTTCCAGTCTCTTC
AACCTCCGCTCAATTTACTTACAATGGAACAGGATTCGCTCCATTAGCCAAGTTTGACATGGACTTGG
AGTTTCCTTACACAACCTGGATTTATCAGGGAATGACATCCAAGGAATTGAGCCGGGCACATTTAAATGC
CTCCCAATTTACAAAAATTGAATTTGGATTCCAACAAGCTCACCAATATCTCACAGGAACTGTCAAT
GCGTGGATATCATAATATCCATCACATTGTCTGGAAATATGTGGGAATGCAGTCGGAGCATTGTCTCT
TTATTTTATTGGCTAAGAATTTCAAAGGAAATAAGGAAAGCACCATGATATGTGCGGGACCTAAGCAC
ATCCAGGTGAAAAGGTTAGTGTGAGTGGAAACATAAATATCTGTTCTGAAGTCCAGGTGGTCAAC
ACAGAAAGATCACACCTGGTCCCAAACTCCCAAGAACTCTGATTATCCCTAGACTACCATCTTC
AAACCTGACGTCAACCAATCCACCTTTGAAACACCAAGCCCTTCCCAGGGTTTCAGATTCCTGGC
GAGCAAGAGTATGAGCATGTTTCAATTTACAAAAATTATTGCCGGGAGTGTGGCTCTCTTCTCAGTG
GCCATGATCCTCTTGGTATCTATGTGTCTTGGAAACGCTACCCAGCCAGCATGAAACAACCTCCAGCAA
CACTCTCTTATGAAGAGGCGCGGAAAAAGGCCAGAGAGTCTGAAAGACAATGAATTCCTTTACAG
GAGTATTATGTGGACTACAAGCTTACAACCTCTGAGACCATGGATATATCGGTTAATGGATCTGGCC
TGCACATATACCATCTCTGGCTCCAGGGAATGTGAGGTA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence:

>Peptide sequence encoded by RG238698
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MPGFHLITQLKGMVVLVLLPTLLLVMLTGAQRACPKNCRCDGKIVYCESHAFADIPENISGGSQGLSL
RFNSIQKLKSNQFAGLNQLIWL YLDHNYISSVDEDAFQGIIRRLKELILSSNKITYLHNKTFHPVPLRN
LDLSYNKQLTLQSEQFKGLRKL IILHLRSNSLKTVPVIRVFQDCRNLDFDLGYNRLRSLSRNAFAGLLK
LKELHLEHNQFSKINFAHFPRLFNLRSIYLQWNRIRSIQGLTWTWSSLHNLDSLGNDIQGIPEGTFKC
LPNLQKLNLDNKL TNISQETVNAWISLISITLSGNMWECSRSICPLFYWLKNFKGNKESTMICAGPKH
IQGEKVS DAVETYNICSEVQVNTERSHLVPQTPQKPLIIPRPTIFKPDVTQSTFETPSPSPGFQIPGA
EQEYEHVSFHKIIAGSVALFLSVAMILLVIYVSWKRYPASMKQLQQHSLMKRRRKKARESERQMN SPLQ
EYYVDYKPTNSETMDISVNGSGPCTYTTISGSRCEV
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001282928

ORF Size: 1557 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).

RefSeq: [NM_001282928.3](#)

RefSeq Size: 3464 bp

RefSeq ORF: 1560 bp

Locus ID: 80059

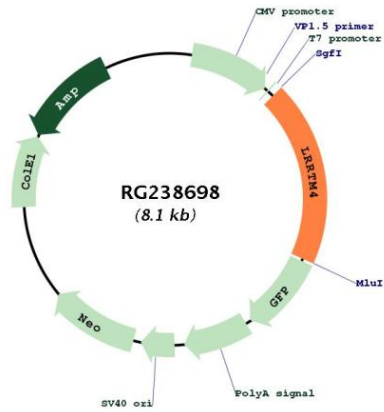
Cytogenetics: 2p12

Protein Families: Transmembrane

MW: 59.7 kDa

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 RG238698