

## Product datasheet for **RG238539**

### LETM2 (NM\_001286819) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LETM2 (NM_001286819) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LETM2
Synonyms:	SLC55A2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG238539 representing NM\_001286819.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCCTTCTACAGTTATAATTCAGTTCTGGCTATTGCTCGAACAAGATTCCTAGCCATTTTGTCCAT
CCTACCTGCTCTTCTTATTCCCCATCATGTGCATTTCTTCACTTGCCAGATTCCCATTTAAATAAGACA
TGTATGAAGAAGCTATGAGAGCAAGAAGTACTCGGATCCTAGTCAGCCAGGCAATACAGTACTTCACCCA
GGAAGTAGACTAATACAAAAGCTACACACATCCACTTGCTGGCTGCAAGAAGTTCCTGGCAAACCTCAG
CTGGAGCAAGCCACAAAACATCCACAGGTGACAAGCCCTCAGGCCACAAAAGAACTGGCATGGAGATT
AAAGAAGGCAAACAATCTTATAGACAAAAATCATGGATGAAGTAAATATTATTACAATGGATTCTAC
TACTTTGGATTGACGCCAAAGTTGCTGCCAGAATGGTTTGGAGGCTGTTGCATGGACAGGTCTGACC
AGACGAGAGAGACGAAGGCTGTTGAGAAGTGTGTTGATTTCTCCGCTGGTCCATTTATGGTGTTC
TTAATTGTACCCTTCATGGAATTCATTACCAGTGTTCGAACTCTCCAGAGATGTTGCCATCA
ACTTTTAAAAGTGAATCCAAAAGGAAGAAAACAGAAAAGAAAATGGCTGTAAGTTGGAAGTAGCA
AAATTTCTTCAAGAAACCATGACAGAAATGGCAAGGAGGAACAGAGCCAAGATGGCGCATGCCTCTACA
CAGCTCTCATCTACGTGAAGCAGGTCCAGACAGGCCACAAGCCAGCACAAAGGAGATAGTTCCGCTTC
TCCAAACTATTTGAGGACCAGCTGGCCCTGGAACACTTAGATCGCCCTCAGCTGGTTGCCCTTGGAAA
CTGCTGGAATTGCAGACATTTGGAACCAACAACCTGCTCCGCTTTCAGCTCCTGATGAACTGAAGTCT
ATAAAGCAGATGATGAAATAATTGCCAAGGAAGGGGTGACAGCATTGAGTGTATCAGAAGTACAGGCT
GCCTGTAGGGCCCAGGGATGAGATCACTGGGTCTCACGGAGGAACAACGCGACAACAGCTCACGGAG
TGGCAGGACCTCCACCTGAAGGAGAACGTCCTCCTTCCCTTTTGTCTCCTGTCCGCACCTTCTACCTG
ATAGATGTAAGCCCAAGCCGATTGAGATACCACTCAGTGGGAGGCTCCAAAGACTGATATTCTTGTG
GAATTACCTACTTTCAGTGAATCTAAAGAGAACATGGTGGATCTTGCACCTCAACTGAAGGGAACAAAG
GATGAAGACTTTATACAGCCGCCACCAGTTACATCATCACCATAACACCATCAACACCTATTTCTATTA
CCTAAAGGACCCATCACTTCTTCTGAAGAACCTACACTCCAGGCCAAATCACAAATGACGGCCAGAAC
AGCAAGGCTAGTTCAAAAAGGAGCA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:**

>Peptide sequence encoded by RG238539  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MAFYSYNSVLAIAIRTRFPSHFVHPTCSSYSPSCAFLHLPDShLNKTCMKNYESKKYSDPSQPGNTVLHP
GTRLIQKLHTSTCWLQEVPGKPQLEQATKHPQVTSQATKETGMEIKEGKQSYRQKIMDELKYYNGFY
LLWIDAKVAARMVWRL LHGQVL TRRERRRLRTCVDFFRLVPMFVFLIVPFMEFLLPVFLKLFPEMLPS
TFESESKEEKQKKMAVKLELAKFLQETMTEMARRNRKMGDASTQLSSVVKQVQGHKPSSTKEIVRF
SKLFEDQLALEHLDRPQLVALCKLLELQTFGTNNLLRFQLMLKLSIKADDEIIAKEGVTALSVSELQA
ACRARGMRSGLTEEQRLRQQLTEWQDLHLKENVPPSLLLLSRFTYLIDVKPKPIEIPLSGEAPKTDILV
ELPTFTESKENMVDLAPQLKGTKDEDFIQPPVTSSTIPSTPISLPKGPITSSEPTLQAKSQMTAQN
SKASSKGA
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVDShMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001286819

**ORF Size:** 1473 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\\_001286819.2](#)

**RefSeq Size:** 2891 bp

**RefSeq ORF:** 1476 bp

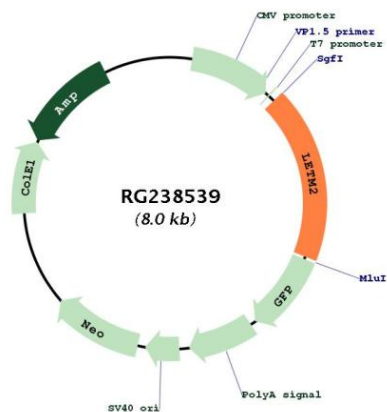
**Locus ID:** 137994

**UniProt ID:** [Q2VYF4](#)

**Cytogenetics:** 8p11.23

**MW:** 56.4 kDa

Product images:



Circular map for RG238539