

## Product datasheet for **RG236279**

### LETM2 (NM\_001286821) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** LETM2 (NM\_001286821) 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)  
**ORF Nucleotide Sequence:** >RG236279 representing NM\_001286821.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCTTCTACAGTTATAATTCAGTTCTGGCTATTGCTCGAACAAGATTCCTAGCCATTTTGTCCAT
CCTACCTGCTCTTCTTATCCCATCATGTGCATTTCTCACTTGCCAGATTCCCATTTAAATAAGACA
TGTATGAAGAAGTATGAGAGCAAGAAGTACTCGGATCCTAGTCAGCCAGGCAATACAGTACTTACCCCA
GGAAGTACTAATAACAAAGCTACACACATCCACTTGTGGCTGCAAGAAGTTCCTGGCAAACCTCAG
CTGGAGCAAGCCACAAAACATCCACAGGTGACAAGCCCTCAGGCCACAAAAGAACTGGCATGGAGATT
AAAGAAGGCAAAACATCTTATAGACAAAAATCATGGATGAACTAAAATATTATTACAATGGATTCTAC
TTACTTTGGATTGACGCCAAAGTTGCTGCCAGAATGGTTTGGAGGCTGTTGCATGGACAGGTCCTGACC
AGACGAGAGAGACGAAGGGTAGGCAAGAATCATATT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG236279  
Blue=ORF Red=Cloning site Green=Tag(s)

```
MAFYSYNSVLAIARTRFSPHFVHPTCSSYSPSCAFLHLPDShLNKTCMKNYESKKYSDPSQPNTVLHP
GTRLIQKLHTSTCWLQEVPGKPQLEQATKHPQVTSQATKETGMEIKEGKQSYRQKIMDELKYYNYNGFY
LLWIDAKVAARMVWRLRHGQVLRTRRRRRVGNHI
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLVHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDShMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

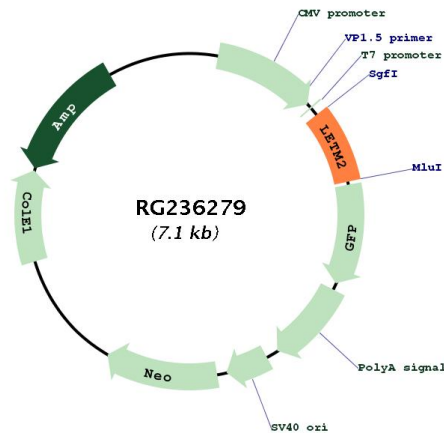
**Restriction Sites:** Sgfl-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM\_001286821

ORF Size: 519 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.

<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>RefSeq:</b>	<u>NM_001286821.1, NP_001273750.1</u>
<b>RefSeq Size:</b>	2119 bp
<b>RefSeq ORF:</b>	522 bp
<b>Locus ID:</b>	137994
<b>Cytogenetics:</b>	8p11.23
<b>MW:</b>	20.5 kDa