

## Product datasheet for **RC234115**

### LETM2 (NM\_001199659) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LETM2 (NM_001199659) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LETM2
Synonyms:	SLC55A2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC234115 representing NM\_001199659  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAGAACTATGAGAGCAAGAAGTACTCGGATCCTAGTCAGCCAGGCAATACAGTACTTACCCAGGAA  
 CTAGACTAATACAAAAGCTACACACATCCACTTGTCTGGCTGCAAGAAGTTCCTGGCAAACCTCAGCTGGA  
 GCAAGCCACAAAACATCCACAGGTGACAAGCCCTCAGGCCACAAAAGAACTGGCATGGAGATTAAGAA  
 GGCAAAACATCTTATAGACAAAAAATCATGGATGAACTAAAATATTATTACAATGGATTCTACTACTTT  
 GGATTGACGCCAAAGTTGCTGCCAGAATGGTTTGGAGGCTGTTGCATGGACAGGTCTGACCAGACGAGA  
 GAGACGAAGGCTGTTGAGAACTTGTGTTGATTTCTCCGCCTGGTTCCATTTATGGTGTCTTAATTGTA  
 CCCTTCATGGAATCTTATTACCAGTGTTCGAACTCTCCAGAGATGTTGCCATCACTTTTGAAA  
 GTGAATCCAAAAGGAAGAAAAACAGAAAAGAAAATGGCTGTAAGTTGAACTAGCAAAATTTCTTCA  
 AGAAACCATGACAGAAATGGCAAGGAGAACAGAGCCAAGATGGGCGATGCCTCTACACAGCTCTCATCC  
 TACGTGAAGCAGGTCCAGACAGGCCACAAGCCAGCACAAAGGAGATAGTTCGCTTCTCCAAACTATTTG  
 AGGACCAGCTGGCCCTGGAACACTTAGATCGCCCTCAGCTGGTTGCCCTTTGCAAACCTGCTGGAATTGCA  
 GACATTTGGAACCAACACCTGCTCCGCTTTCAGCTCCTGATGAAACTGAAGTCTATAAAAGCAGATGAT  
 GAAATAATTGCCAAGGAAGGGGTGACAGCATTGAGTGTATCAGAACTACAGGCTGCCTGTAGGGCCCGAG  
 GGATGAGATCACTGGGTCTCACGGAGGAACAACCTGCGACAACAGCTCACGGAGTGGCAGGACCTCCACCT  
 GAAGGAGAACGTCCTCCTTCCCTTTTGTCTCCTGTCCCGCACCTTCTACCTGATAGATGTGAAGCCCAAG  
 CCGATTGAGATACCACTCAGTGGGAGGCTCCAAGACTGATATTCTTGTGGAATTACCTACTTTCACTG  
 AATCTAAAGAGAACATGGTGGATCTTGCACCTCAACTGAAGGGAACCTAAGGATGAAGACTTTATACAGCC  
 GCCACCAGTTACATCATACCCATAACACCATCAACACCTATTTTCATTACCTAAAGGACCCATCACTTCT  
 TCTGAAGAACCTACACTCCAGGCCAAATCACAAATGACGGCCAGAACAGCAAGGCTAGTTCAAAAGGAG  
 CA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC234115 representing NM\_001199659  
 Red=Cloning site Green=Tags(s)

MKNYESKKYSDPSQPGNTVLHPGTRLIQKLHTSTCWLQEVPGKPQLEQATKHPQVTSPQATKETGMEIKE  
 GKQSYRQKIMDELKYYYNGFYLLWIDAKVAARMVWRLLHGQVLTRRERRRLLRTCVDFRFLVPMVFLIV  
 PFMEFLLPVFLKLPPEMLPSTFESESKKEEKQKKMAVKLELAKFLQETMTEMARRNRAKMGDASTQLSS  
 YVKQVQTGHKPKSTKEIVRF SKLFEDQLALEHLDRPQLVALCKLLELQTFGTNNLLRFQLLMKLSIKADD  
 EIIAKEGVTAHSVSELQAACRARGMRSGLTTEEQLRQQLTEWQDLHLKENVPPSLLLLSRFYLDVVKPK  
 PIEIPLSGEAPKTDILVELPTFTESKENMVDLAPQLKGTKDEDFIQPPPVTSSPITPSTPISLPKGPITS  
 SEEPTLQAKSQMTAQNSKASSKGA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001199659

**ORF Size:** 1332 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.

**RefSeq:** [NM\\_001199659.2](#), [NP\\_001186588.1](#)

**RefSeq Size:** 2831 bp

**RefSeq ORF:** 1335 bp

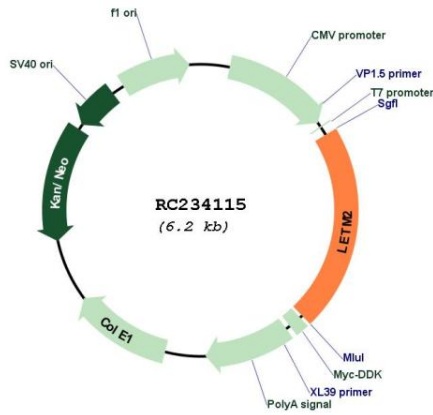
**Locus ID:** 137994

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

Cytogenetics: 8p11.23

MW: 51.1 kDa

**Product images:**



Circular map for RC234115