

## Product datasheet for RC233658

### LETM2 (NM\_001199660) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LETM2 (NM_001199660) 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)
ORF Nucleotide Sequence:	>RC233658 representing NM_001199660 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGCCATCAACTTTTGAAAGTGAATCCAAAAAGGAAGAAAAACAGAAAAAGAAAATGGCTGTAAGT  
TGGAACTAGCAAATTTCTTCAAGAAACCATGACAGAAATGGCAAGGAGGAACAGAGCCAAGATGGGCGA  
TGCCTCTACACAGCTCTCATCCTACGTGAAGCAGGTCCAGACAGGCCACAAGCCCAGCACAAAGGAGATA  
GTTGCTTCTCCAACTATTTGAGGACCAGCTGGCCCTGGAACACTTAGATCGCCCTCAGCTGGTTGCC  
TTTGCAAAGTGTGGAATTGCAGACATTTGGAACCAACAACCTGCTCCGCTTTCAGCTCCTGATGAACT  
GAAGTCTATAAAAGCAGATGATGAAATAATTGCCAAGGAAGGGGTGACAGCATTGAGTGTATCAGAATA  
CAGGCTGCCTGTAGGGCCCGAGGGATGAGATCACTGGGTCTCACGGAGGAACAACCTGCGACAACAGCTCA  
CGGAGTGGCAGGACCTCCACCTGAAGGAGAAGCTCCCTCCTTCCCTTTTGCTCCTGTCCCGCACCTTCTA  
CCTGATAGATGTGAAGCCCAAGCCGATTGAGATACCACTCAGTGGGGAGGCTCCAAGACTGATATTCTT  
GTGGAATTACCTACTTTCACTGAATCTAAAGAGAACATGGTGGATCTTGCACCTCAACTGAAGGGAATA  
AGGATGAAGACTTTATACAGCCGCCACCAGTTACATCATACCCATAACACCATCAACACCTATTTTCATT  
ACCTAAAGGACCCATCACTTCTTCTGAAGAACCTACACTCCAGGCCAAATCACAATGACGGCCCAAGAC  
AGCAAGGCTAGTTCAAAAGGAGCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC233658 representing NM\_001199660  
 Red=Cloning site Green=Tags(s)

MLPSTFESESKKEEKQKKKMAVKLELAKFLQETMTEMARRNRAKMGDASTQLSSYVKQVQTGHPSTKEI  
 VRF SKL FEDQLALEHLDRPQLVALCKLLELQTFGTNNLRFQLMLKLSIKADDEIIAKEGVTALSVSEL  
 QAACRARGMRSGLGLEEQLRQQLTEWQDLHLKENVPPSLLLL SRTFYLDVVKPKPIEIPLSGEAPKTDIL  
 VELPTFTESKENMVDLAPQLKGTKDEDFIQPPPVTSSPITPSTPISLPKGPITSSSEPTLQAKSQMTAQN  
 SKASSKGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001199660

**ORF Size:** 864 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\\_001199660.2](#), [NP\\_001186589.1](#)

**RefSeq Size:** 2670 bp

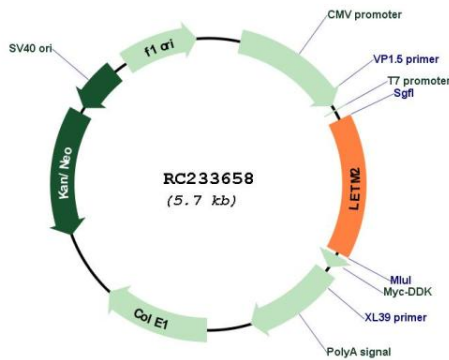
**RefSeq ORF:** 867 bp

**Locus ID:** 137994

**Cytogenetics:** 8p11.23

**MW:** 32.6 kDa

**Product images:**



Circular map for RC233658