

Product datasheet for RC237217

LETM2 (NM_001286787) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LETM2 (NM_001286787) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: LETM2
Synonyms: SLC55A2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237217 representing NM_001286787
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTGCCATCAACTTTTCAAAGTGAATCCAAAAAGGAAGAAAAACAGAAAAAGAAAATGGCTGTAAGT
TGGAAGTAGCAAAATTTCTTCAAGAAACCATGACAGAAATGGCAAGGAGGAACAGAGCCAAGATGGCGA
TGCCTCTACACAGCTCTCATCCTACGTGAAGCAGGTCCAGACAGGCCACAAGCCCAGCACAAAGGAGATA
GTTGCTTCTCCAACTATTTGAGGACCAGCTGGCCCTGGAACACTTAGATCGCCCTCAGCTGGTTGCC
TTTGCAAAGTCTGGAATTGCAGACATTTGGAACCAACAACCTGCTCCGCTTTCAGCTCCTGATGAACT
GAAGTCTATAAAAGCAGATGATGAAATAATTGCCAAGGAAGGGGTGACAGCATTGAGTGTATCAGAATA
CAGGCTGCCTGTAGGGCCCGAGGGATGAGATCACTGGGTCTCACGGAGGAACAACCTGCGACAACAGCTCA
CGGAGTGGCAGGACCTCCACCTGAAGGAGAACGTCCTCCTTCCCTTTTGCTCCTGTCCCGCACCTTCTA
CCTGATAGATGTGAAGCCCAAGCCGATTGAGATACCACTCAGTGGGGAGGCTCCAAGACTGATATTTCTT
GTGGAATTACCTACTTTCACTGAATCTAAAGAGAACATGGTGGATCTTGACCTCAACTGAAGGGAATA
AGGATGAAGACTTTATACAGCCGCCACCAGTTACATCATACCCATAACACCATCAACACCTATTTTCATT
ACCTAAAGGACCCATCACTTCTTCTGAAGAACCTACACTCCAGGCCAAATCACAAATGACGGCCAGAAC
AGCAAGGCTAGTTCAAAAGGAGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237217 representing NM_001286787
 Red=Cloning site Green=Tags(s)

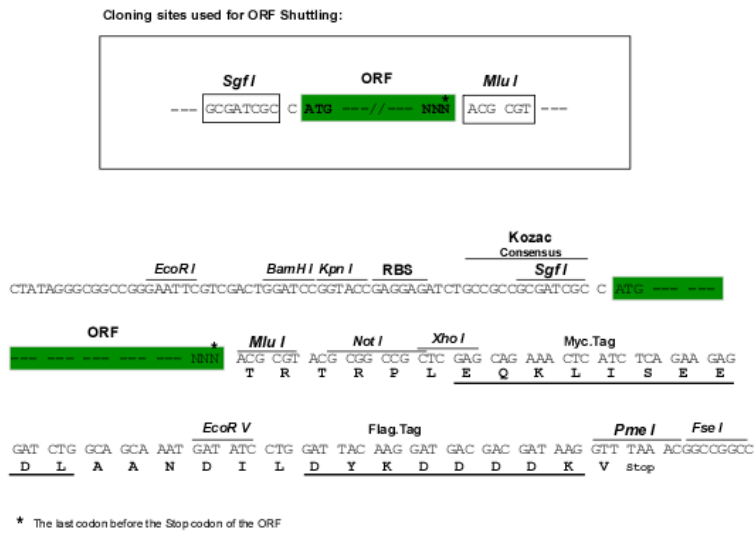
MLPSTFESESKKEEKQKKKMAVKLELAKFLQETMTEMARRNRAKMGDASTQLSSYVKQVQTGHKPSTKEI
 VRFSKLFEDQLALEHLDRPQLVALCKLLELQTFGTNNLRFQLMLKLSIKADDEIIAKEGVTALSVSEL
 QAACRARGMRSGLTTEEQLRQQLTEWQDLHLKENVPPSLLLL SRTFYLDVKKPKPIEIPLSGEAPKTDIL
 VELPTFTESKENMVDLAPQLKGTKDEDFIQPPPVTSSPITPSTPISLPGKPITSSSEPTLQAKSQMTAQN
 SKASSKGA

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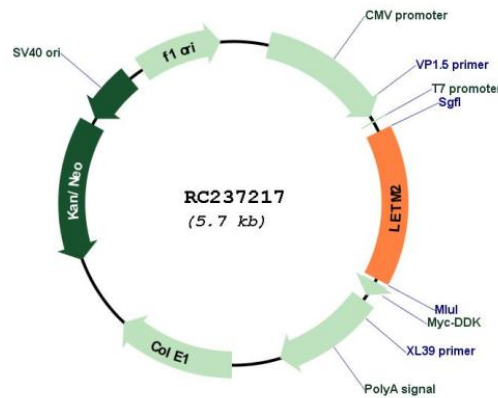
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286787

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:	<ol style="list-style-type: none">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_001286787.1 , NP_001273716.1
RefSeq Size:	2817 bp
RefSeq ORF:	867 bp
Locus ID:	137994
Cytogenetics:	8p11.23
MW:	32.6 kDa