

Product datasheet for **RG234115**

LETM2 (NM_001199659) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LETM2 (NM_001199659) 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:

>RG234115 representing NM_001199659
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGAAGAACTATGAGAGCAAGAAGTACTCGGATCCTAGTCAGCCAGGCAATACAGTACTTCACCCAGGAA
 CTAGACTAATACAAAAGCTACACACATCCACTTGTCTGGCTGCAAGAAGTTCCTGGCAAACCTCAGCTGGA
 GCAAGCCACAAAACATCCACAGGTGACAAGCCCTCAGGCCACAAAAGAACTGGCATGGAGATTAAAGAA
 GGCAACAATCTTATAGACAAAAATCATGGATGAACTAAATATTATTACAATGGATTCTACTACTTT
 GGATTGACGCCAAAGTTGCTGCCAGAATGGTTTGGAGGCTGTTGCATGGACAGGTCTGACCAGACGAGA
 GAGACGAAGGCTGTTGAGAACTTGTGTTGATTTCTCCGCTGGTTCCATTTATGGTGTCTTAATTGTA
 CCCTTCATGGAATCTTATTACCAGTGTTCGAACTCTCCAGAGATGTTGCCATCACTTTTGAA
 GTGAATCCAAAAGGAAGAAAAACAGAAAAAGAAATGGCTGTAAAGTTGAACTAGCAAAATTTCTTCA
 AGAAACCATGACAGAAATGGCAAGGAGGAACAGAGCCAAGATGGGCGATGCCTCTACACAGCTCTCATCC
 TACGTGAAGCAGGTCCAGACAGGCCACAAAGCCAGCACAAAGGAGATAGTTTCGCTTCTCCAACTATTTG
 AGGACCAGCTGGCCCTGGAACACTTAGATCGCCCTCAGCTGGTTGCCCTTTGCAAACTGTGGAATTGCA
 GACATTTGGAACCAACAACCTGCTCCGCTTTCAGCTCCTGATGAACTGAAGTCTATAAAAGCAGATGAT
 GAAATAATTGCCAAGGAAGGGTGACAGCATTGAGTGTATCAGAACTACAGGCTGCCTGTAGGGCCCGAG
 GGATGAGATCACTGGGTCTCACGGAGGAACAACAGTGCACAAACAGCTCACGGAGTGGCAGGACCTCCACCT
 GAAGGAGAACGTCCCTCCTTCCCTTTTGTCTGTCCCGACCTTCTACCTGATAGATGTGAAGCCCAAG
 CCGATTGAGATACCACTCAGTGGGAGGCTCCAAGAGCTGATATTCTTGTGGAATTACCTACTTTCACTG
 AATCTAAAGAGAACATGGTGGATCTTGACCTCAACTGAAGGGAACCTAAGGATGAAGACTTTATACAGCC
 GCCACCAAGTTACATCATACCCATAACACCATCAACACCTATTTTCATTACCTAAAGGACCCATCACTTCT
 TCTGAAGAACCTACACTCCAGGCCAAATCACAAATGACGGCCAGAACAGCAAGGCTAGTTCAAAAGGAG
 CA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG234115 representing NM_001199659
 Red=Cloning site Green=Tags(s)

MKNYESKKYSDPSQPGNTVLHPGTRLIQKLHTSTCWLQEVPGKPQLEQATKHPQVTSPQATKETGMEIKE
 GKQSYRQKIMDELYYYNGFYLLWIDAKVAARMVWRLHGVLTTRRRRRLLRTCVDFFRLVPMVFLIV
 PFMEFLLPVFLKLFPEMLPSTFESESKKEEKQKKMAVKLELAKFLQETMTEMARRNRAKMGDASTQLSS
 YVKQVQTGHKPSTKEIVRFSLFEDQLALEHLDRPQLVALCKLLELQTFGTNNLLRFQLLMKLKSIKADD
 EIIAKEGVTAHSVSELQAACRARGMRLGLTEEQLRQQLTEWQDLHLKENVPPSLLLLSTRTFYLDIVKPK
 PIEIPLSGEAPKTDILVELPTFTESKENMVDLAPQLKGTKDEDFIQPPPVTSSTPITPISLPKGPITS
 SEEPTLQAKSQMTAQNSKASSKGA

TRTRPLE - GFP Tag - V

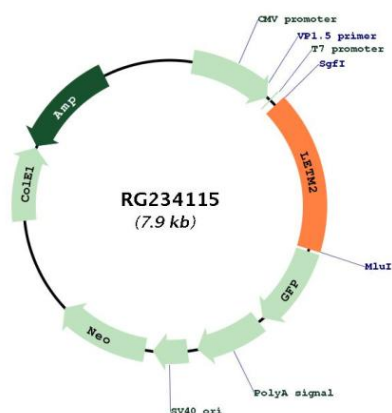
Restriction Sites:

Sgfl-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

Product images:



Circular map for RG234115