

Product datasheet for **MG218086**

Luc7l2 (NM_001170848) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Luc7l2 (NM_001170848) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Luc7l2
Synonyms:	4930471C18Rik; AA522013; AU015269; CGI59; Cgi74
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218086 representing NM_001170848 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGCGCAGGCCAGATGCGCGCTATGCTGGACCAGTTAATGGGCACCTCTCGGGACGGAGATACTA
CTCGTCAACGAATCAAATTCAGCGATGACAGAGTATGCAAGAGCCACCTTCTCAACTGTTGCCCCACGA
TGTCTTTCTGGAACAAGAATGGATCTTGGAGAATGCTTGAAAGTCCATGACCTGGCTTTAAGAGCAGAT
TATGAAATTGCGTCCAAAGAACAAGACTTTTTCTTTGAACTTGATGCCATGGATCATCTGCAGTCATTCA
TTGCAGATTGTGATAGAAGAACAGAAGTATCTAAGAAAAGACTAGCAGAACTCAAGAAGAGATAAGTGC
TGAAGTGGCTGCAAAGGCAGAGCGTGTTTCATGAGTTAAATGAGGAAATAGGCAAGTTGTTGGCCAAAGTG
GAACAACCTAGGAGCTGAAGGAAATGTGGAAGAATCTCAGAAAAGTCATGGATGAAGTCGAGAAAGCACGGG
CAAAGAAAAGAGAAGCAGAGGAAGTTTATCGGAACTCTATGCCAGCTTCCAGCTTCCAGCAGCAGAACT
TCGTGTCTGCGAGGTCTGCTCTGCGTATTTAGGTCTTCATGACAATGACAGGCGACTGGCTGATCATTTT
GGGGTAAATTGCACCTGGGATTTATTGAAATAAGAGAGAAGCTGGAAGAATTAAGAGAGTTGTAGCTG
AGAAGCAGGAGAAGAGAAACCAGAACGTCTGAAACGAAGAGAAGAGAGGGAGAGAGAAGAACGGGAGAA
ACTGAGGAGATCTAGATCCAGAGAGCATCGCAGACCCGATCTCGCTCCATGTCACGAGAACCAGAGAG
AGGACTCGATCCAAGTCTCGTGAGAAACGCCATCGCCACAGGTCAGGTCAGCCGAGCCGAGCCGAGCC
GTAGCCACAGAGAAGTGGCAGAGTTCAAGAGATAGGAGCAGAGAGCGATCCAAGAGGAGATCCTCAAA
AGAAAGATTGAGAGATCAAGACTTAGCATCACGTGACAGAGACAGGAGTTCAAGAGACAGATCACCTCGT
GACCGAGATCGAAAAGATAAGAAGCGGTCTATGAGAGTGCTAATGGCAGATCAGAAGACAGGAGGAGCT
CTGAAGAGCGTGAAGCAGGGGAGATC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218086 representing NM_001170848
 Red=Cloning site Green=Tags(s)

MSAQAQMRAMLDQLMGTSRDGDTTRQRIKFSDDRVCKSHLLNCCPHDVLSGTRMDLGECLKVHDLALRAD
 YEIASKEQDFFELDAMDHLQSFADCDRRETEVSKKRLAETQEEISA EVAAKAERVHELNEEIGKLLAKV
 EQLGAEGNVEESQKVMDEVEKARAKKREAEVYRNSMPASSFQQQKLRVCEVCSAYLGLHDNDRRLADHF
 GGKHLHGFIEIREKLEELKRVVAEKQEKRNRQERLKRREEREREEREKLRRSRSREHRRHRSRMSRERKR
 RTRSKSREKRHRHRSRSSRSRSHQRSRHSSRDRSRERSKRRSSKERFRDQDLASDRDRSSRDRSPR
 DRDRKDKKRSYESANGRSEDRRSSEEREAGEI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001170848

ORF Size: 1146 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_001170848.2](#)

RefSeq Size: 2693 bp

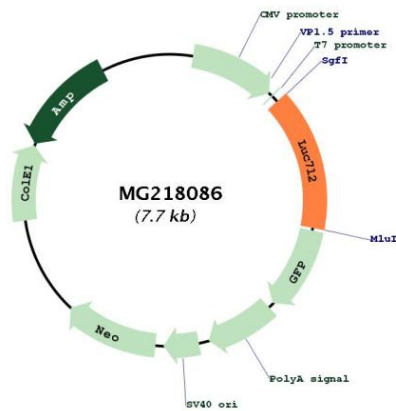
RefSeq ORF: 1149 bp

Locus ID: 192196

Cytogenetics: 6 B1

Gene Summary: May bind to RNA via its Arg/Ser-rich domain.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG218086