

## Product datasheet for **MG218904**

### Luc7l (NM\_025881) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Luc7l (NM_025881) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Luc7l
Synonyms:	1810045C04Rik; 2410018D03Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218904 representing NM_025881 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCGCCAGGCGCAGATGCGGGCCCTGTTGGACCAGCTCATGGGCACGGCTCGGGACGGAGATGAAA  
CCAGACAGAGGGTCAAGTTTACAGATGACCGTGTCTGCAAGAGTACCTTCTGGACTGCTGCCCCATGA  
CATCCTTGCTGGGACGCGCATGGATTTAGGAGAATGTACCAAAATCCACGACTTGGCTCTTCGAGCAGAT  
TATGAAATTGCAAGTAAAGAAAGAGACCTGTTTTTGAATTAGATGCTATGGATCACTTAGAGTCCCTTCA  
TTGCAGAGTGTGATCGGAGAACCGAACTTGCCAAAAGCGGCTGGCTGAAACACAGGAGAAATCAGTGC  
AGAAGTTTCGGCTAAGGCAGAAAAGGTACATGAATTAATGAAGAAATAGGAAAACCTTCTTGCTAAAGCT  
GAGCAGCTAGGAGCTGAAGGAAATGTGGACGAATCCCAGAAGATTCTTATGGAAGTGGAGAAAGTTCGTG  
CAAAGAAAAAGAAGCAGAGGAAGAATATAGAAATCCATGCCTGCATCCAGTTTTCAACAGCAAAAACCT  
CCGTGTTTGCAGGTTTGTTCAGCTTACCTTGGTCTCCATGACAATGACCGTCCGGCTTGCAGACCACTTC  
GGGGCAAGTTACACCTGGGTTTATTAGATCCGGGAGAAGCTTGATCAGTTGAGGAAAACCTGTGGCTG  
AAAAACAGGAAAAAGAAATCAGGATCGATTGAGGAGAAGAGAGGAGAGAGCGAGAAGAGCGCCTGGG  
CAGGAGGTCTGGATCAAGAACCCGAGATCGCAGAAGGTCACGCTCCCGGATCGTCGACGGAGCCGGTCT  
AGGTCTACCTCCAGAGAGCGCGGAAGTTTTCCGTTCCAGATCCCGAGATAGATACAGGCGCCATCGCA  
GCCGTTCCCGGAGCCACAGCCGGGTACCGCCGGCTTCCAGGGACCGAGTACAAAATACAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG218904 representing NM\_025881  
 Red=Cloning site Green=Tags(s)

MSAQAQMRALLDQLMGTARDGDETRQVRVFTDDRVCCKSHLLDCCPHDILAGTRMDLGECTKIHDLALRAD  
 YEIASKERDLFFELDAMDHLESFIAECDRRETELAKKRLAETQEEISAEVSAKAKEVHELNEEIGKLLAKA  
 EQLGAEGNVDESQKILMEVEKVRAKKKEAEEYRNSMPASSFQQQLRVCEVCSAYLGLHDNDRRLADHF  
 GGKHLHGFIIQIREKLDQLRKTVAEKQEKRNDRLRRREEREREERLGRRSGRTRDRRRRSRDRRRRRS  
 RSTRERRKFSRSRSRDRYRRHRSRSHSRGHRRASRDRSTKYK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_025881

**ORF Size:** 975 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\\_025881.3](#), [NP\\_080157.1](#)

**RefSeq Size:** 1690 bp

**RefSeq ORF:** 978 bp

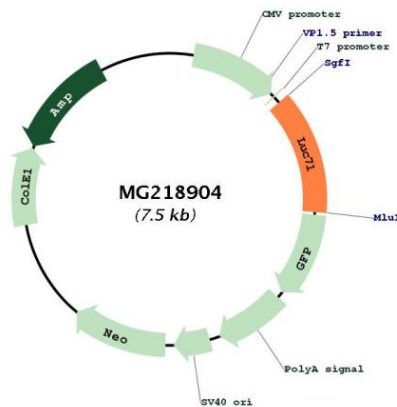
**Locus ID:** 66978

**UniProt ID:** [Q9CYI4](#)

**Cytogenetics:** 17 13.09 cM

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

**Product images:**



Circular map for MG218904