

Product datasheet for **MR218962**

Luc7l2 (NM_001170849) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Luc7l2 (NM_001170849) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Luc7l2
Synonyms:	4930471C18Rik; AA522013; AU015269; CGI59; Cgi74
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR218962 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGTCGGCGCAGGCCAGATGCGCGCTATGCTGGACAGTTAATGGGCACCTCTCGGGACGGAGATACTA
 CTCGTCAACGAATCAAATTCAGCGATGACAGAGTATGCAAGAGCCACCTTCTCAACTGTTGCCCCACGA
 TGTCTTTCTGGAACAAGAATGGATCTTGGAGAATGCTTGAAAGTCCATGACCTGGCTTTAAGAGCAGAT
 TATGAAATTGCGTCCAAAGAACAAGACTTTTCTTTGAACTTGATGCCATGGATCATCTGCAGTCATTCA
 TTGCAGATTGTGATAGAAGAACAGAAGTATCTAAGAAAAGACTAGCAGAACTCAAGAAGAGATAAGTGC
 TGAAGTGGCTGCAAAGGCAGAGCGTGTTTCATGAGTTAAATGAGGAAATAGGCAAGTTGTTGGCCAAAGTG
 GAACAACCTAGGAGCTGAAGGAAATGTGGAAGAATCTCAGAAAGTCATGGATGAAGTCGAGAAAGCACGGG
 CAAAGAAAAGAGAAGCAGAGGAAGTTTATCGGAACTCTATGCCAGCTTCCAGCTTCCAGCAGCAGAACT
 TCGTGTCTGCGAGGTCTGCTCTGCGTATTTAGGTCTTCATGACAATGACAGGCGACTGGCTGATCATTTT
 GGGGGTAAATTGCACCTGGGATTTATTGAAATAAGAGAGAAGCTGGAAGAATTAAGAGAGTTGTAGCTG
 AGAAGCAGGAGAAGAGAAACAGGAACGCTGAAACGAAGAGAAGAGAGGGAGAGAGAAGAACGGGAGAA
 ACTGAGGAGATCTAGATCCAGAGAGCATCGCAGACCCGATCTCGCTCCATGTACGAGAACGCAAGAGG
 AGGACTCGATCCAAGTCTCGTGAGAAACGCCATCGCCACAGGTCCAGTCCAGTAGCCGAAGCCGCAGCC
 GTAGCCACCAGAGAAGTCGGCACAGTTCAAGAGATAGGAGCAGAGAGCGATCCAAGAGGAGGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR218962 protein sequence
 Red=Cloning site Green=Tags(s)

MSAQAQMRAMLDQLMGTSRDGDTTRQRIKFSDDRVCCKSHLLNCCPHDVLSGTRMDLGECLKVHDLALRAD
 YEIASKEQDFFELDAMDHLQSFADCDRRETEVSKKRLAETQEEISA EVAAKAERVHELNEEIGKLLAKV
 EQLGAEGNVEESQKVMDEVEKARAKKREAEVYRNSMPASSFQQQKL RVCEVCAYLGLHDNDRRLADHF
 GGKLHLGFIEIREKLEELKRVVAEKQEKNQERLKRREEREREEREKLRRSRSRREHRRHRSRMSRERKR
 RTRSKSREKRRHRSRSSSRSRSHQSRHSSRDRSRERSKRRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001170849

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001170849.2](#)

RefSeq Size: 5229 bp

RefSeq ORF: 978 bp

Locus ID: 192196

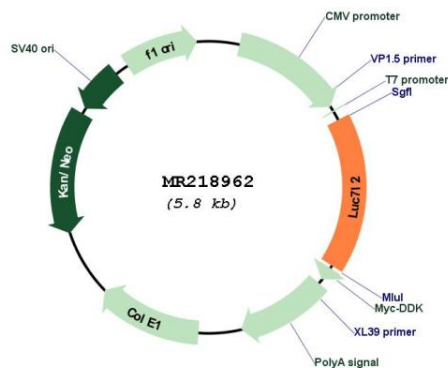
UniProt ID: [Q7TNC4](#)

Cytogenetics: 6 B1

MW: 38.6 kDa

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

Product images:



Circular map for MR218962