

Product datasheet for **RG200146**

LUC7L (NM_018032) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LUC7L (NM_018032) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LUC7L
Synonyms:	hLuc7B1; Luc7; LUC7B1; SR+89
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200146 representing NM_018032 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGTCCGCCAGGCGCAGATGCGGGCCCTGCTGGACCAGCTCATGGGCACGGCTCGGGACGGAGACGAAA
 CCAGACAGAGGGTCAAGTTACAGATGACCGTGTCTGCAAGAGTCACCTTCTGGACTGCTGCCCCATGA
 CATCCTGGCTGGGACGCGCATGGATTTAGGAGAATGTACCAAAATCCACGACTTGGCCCTCCGAGCAGAT
 TATGAGATTGCAAGTAAAGAAAGAGACCTGTTTTTTGAATTAGATGCAATGGATCACTTGGAGTCCTTTA
 TTGCTGAATGTGATCGGAGAACTGAGCTCGCCAAGAAGCGGCTGGCAGAAACACAGGAGGAAATCAGTGC
 GGAAGTTTCTGCAAAGGCAGAAAAAGTACATGAGTTAAATGAAGAAATAGGAAAACCTCCTTGCTAAAGCC
 GAACAGCTAGGGGCTGAAGGTAATGTGGATGAATCCCAGAAGATTCTTATGGAAGTGAAAAAGTTTCGTG
 CGAAGAAAAAGAAGCTGAGGAAGAATACAGAAATTCATGCCTGCATCCAGTTTTCAGCAGCAAAAGCT
 GCGTGTCTGCGAGGTCTGTTTCAGCCTACCTTGGTCTCCATGACAATGACCGTCGCTGGCAGACCACTTC
 GGTGGCAAGTTACACTTGGGGTTCATTCAGATCCGAGAGAAGCTTGATCAGTTGAGGAAAACGTGCTG
 AAAAGCAGGAGAAGAGAAATCAGGATCGCTTGAGGAGGAGAGAGAGAGGGAACGGGAGGAGCGTCTGAG
 CAGGAGGTCGGGATCAAGAACCAGAGATCGCAGGAGGTACGCTCCCGGATCGGCGTCGGAGGCGGTCA
 AGATCTACCTCCCGAGAGCGACGAAATTTGTCCCGTCCCGTCCCGAGATAGACATCGGCGCCACCGCA
 GCCGTTCCCGGAGCCACAGCCGGGGACATCGTCCGGCTTCCCGGACCGAAGTGCGAAATACAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


[View online »](#)

Protein Sequence: >RG200146 representing NM_018032
 Red=Cloning site Green=Tags(s)

MSAQAQMRALLDQLMGTARDGDETRQVRKFTDDRVCCKSHLLDCCPHDILAGTRMDLGECTKIHDALRAD
 YEIASKERDLFFELDAMDHLESFIAECDRRTTELAKKRLAETQEEISAEVSAKAKEVHELNEEIGKLLAKA
 EQLGAEGNVDESQKILMEVEKVRKKKEAEEYRNSMPASSFQQQKLRVCEVCSAYLGLHDNDRRLADHF
 GGKLHLGFIQIREKLDQLRKTVAEKQEKRNQDRLRRREEREREERLSRRSGSRTDRRRSRSDRRRRRS
 RSTSRERRKLSRSRSDRHRHRSRSHSRGHRASRDERSAKYK

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018032

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_018032.5](#)

RefSeq Size: 2082 bp

RefSeq ORF: 978 bp

Locus ID: 55692

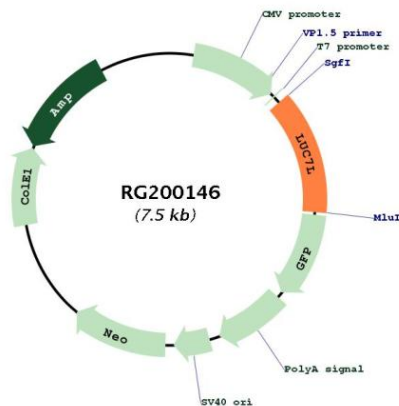
UniProt ID: [Q9NQ29](#)

Cytogenetics: 16p13.3

Domains: DUF259

Gene Summary: The LUC7L gene may represent a mammalian heterochromatic gene, encoding a putative RNA-binding protein similar to the yeast Luc7p subunit of the U1 snRNP splicing complex that is normally required for 5-prime splice site selection (Tufarelli et al., 2001 [PubMed 11170747]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG200146