

Product datasheet for **RG233953**

LUC7L2 (NM_001244585) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LUC7L2 (NM_001244585) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LUC7L2
Synonyms:	CGI-59; CGI-74; LUC7B2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233953 representing NM_001244585 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGTCATCCACTCACAGCTTAAAAAATACAGGGAGCATCGGAGAGAATGGGAGATACAACTCGTCAAC
GAATCAAATTCAGTGATGACAGAGTATGCAAGAGTCACCTTCTCAACTGTTGTCCTCATGATGTCCTTTT
TGGAACTAGAATGGATCTTGGAGAATGTCTGAAAGTCCATGACCTGGCTTTAAGAGCGGATTATGAAATT
GCATCCAAAGAACAAGATTTTTCTTTGAACTTGATGCCATGGATCATCTGCAGTCATTCATTGCAGATT
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AGCAAAGGCAGAACGTGTTTCATGAGTTAAATGAAGAAATTGGTAAATTGTTAGCCAAGGTGGAACAACTA
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AGAAAAGAAACCAGGAACGGCTGAAACGAAGAGAAGAGAGAGAGAGAAGAAAGGGAGAAGCTGAGGAG
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ATCCAAGAGGAGATCCTCAAAAGAAAGATTAGAGACCAAGACTTAGCATCATGTGACAGAGACAGGAGT
TCAAGAGACAGATCACCTCGTGACAGAGATCGGAAAGATAAGAAGCGGTCTATGAGAGTGCTAATGGCA
GATCAGAAGACAGGAGGAGCTCTGAAGAGCGCAAGCAGGGGAGATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233953 representing NM_001244585
 Red=Cloning site Green=Tags(s)

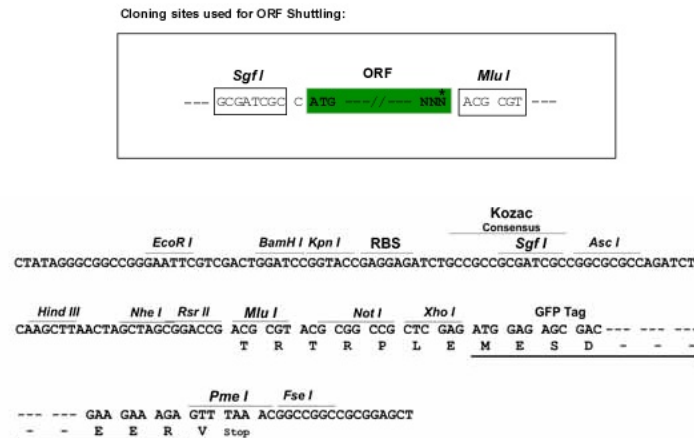
MVIHSQLKKIQGASERMGDTTRQRIKFSDDRVCKSHLLNCCPHDVLSGTRMDLGECLKVHDLALRADYEI
 ASKEQDFFELDAMDHLQSFADCDRRETEVAKKRLAETQEEISAEVAAKAERVHELNEEIGKLLAKVEQL
 GAEGNVEESQKVMDEVEKARAKKREAEVYRNSMPASSFQQQKL RVCEVCSAYLGLHDNDRRLADHFGGK
 LHLGFIEIREKLEELKRVVAEKQEKNQERLKRREEREREEREKLRRSRSHSKNPKRSRSREHRRHRSRS
 MSREKRRTRSKSREKRHRHRSRSSRSRSRSHQSRHSSRDRSRERSKRRSSKERFRDQDLASCDRDRS
 SRDRSPDRDRDKDKRSYESANGRSEDRRSSEEREAGEI

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001244585

ORF Size: 1167 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_001244585.1](#), [NP_001231514.1](#)

RefSeq Size: 2471 bp

RefSeq ORF: 1170 bp

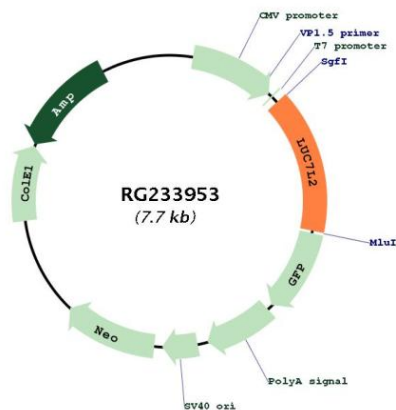
Locus ID: 51631

UniProt ID: [Q9Y383](#)

Cytogenetics: 7q34

Gene Summary: This gene encodes a protein that contains a C2H2-type zinc finger, coiled-coil region and arginine, serine-rich (RS) domain. A similar protein in mouse interacts with sodium channel modifier 1, and the encoded protein may be involved in the recognition of non-consensus splice donor sites in association with the U1 snRNP spliceosomal subunit. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Sep 2011]

Product images:



Circular map for RG233953