

Product datasheet for **RG233952**

PUS7L (NM_001271826) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PUS7L (NM_001271826) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PUS7L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233952 representing NM_001271826 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTTGAAGCGATTGGTTTTTTAGCTATCAAACCTGGTGTATTCCCTTCGGATTTAGTTATGCAGGCC
 TTAAGACAAGAAAGCCATCACCTATCAAGCAATGGTTGTTAGAAAAGTGAAGTCCAGAGAGGTTGAAAAA
 TATTGAAAAGAAATTGAAAAGAAAAGAATGAATGTCCTTAATATTCGGTCTGTAGATGATTCCTGAGA
 CTTGGTCAGCTCAAAGGAAATCACTTTGATATTGTCATTAGAAATTTAAAAAACAAATAATGATTCTG
 CAAACCTGAGGGAGAGAATTATGGAAGCAATAGAAAATGTTAAGAAAAAAGGCTTTGTGAATTACTATGG
 ACCACAGAGATTTGGGAAGGGAAGGAAAGTTACACAGACCAAATTGGACTAGCTTTGCTGAAGAAATGAA
 ATGATGAAAGCCATAAAATTGTTTCTTACACCAGAAGACTTGGATGATCCTGTAAATAGAGCAAAGAAGT
 ATTTTCTTCAAACCTGAGGATGCTAAAGGCACACTTTCATTGATGCCTGAATTCAAAGTGCCTGAGAGAGC
 ATTGTTGGAGGCATTGCACCGCTTTGGCATGACCGAGGAAGGTTGTATCCAGGCATGGTTCTCTTTACCC
 CATTCCATGCGCATATTCTATGTTACGCATATACCAGCAAAATTTGGAATGAGGCAGTATCTTACAGAC
 TTGAAACCTATGGAGCAAGAGTAGTGCAGGGTGATTTGGTCTGTTTGGATGAAGACATTGATGACGAGAA
 TTTCCAAATAGTAAATTCACCTGGTAACTGAAGAGGAGGGATCAGCTAATATGTATGCAATACATCAG
 GTGGTTCTTCCAGTACTTGGATACAATATTCAGTACCCGAAGAACAAAGTAGGGCAGTGGTACCATGACA
 TACTTAGCAGAGATGGACTACAGACATGTAGGTTTAAAGTACCTACTCTGAAACTGAATATACCAGTTG
 CTATAGACAGATTTTGAACATCCCTGTAATCTCTCATACCAACTAATGGAAGATCATGACATTGATGTC
 AAAACGAAAGGTTCCACATTGATGAAACAGCTTTGTCTCTTTTGATCTCTTTTGATCTTGATGCTTCAT
 GCTATGCTACCGTTTGTCTGAAGGAAATAATGAAGCATGACGTT

ACGCGTACGCGGCGCGCTCGAG - GFP Tag - GTTTAA


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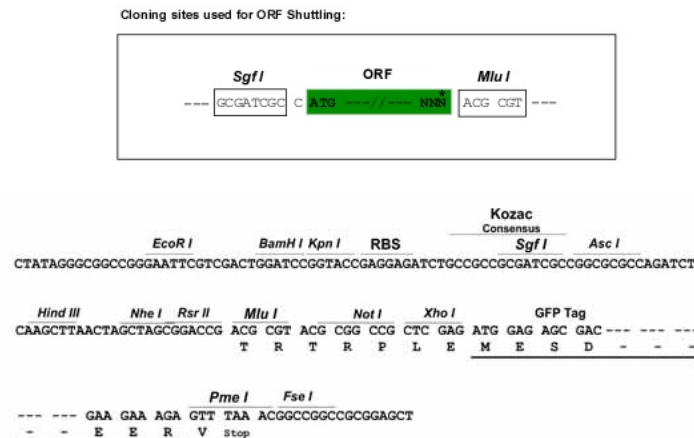
Protein Sequence: >RG233952 representing NM_001271826
 Red=Cloning site Green=Tags(s)

MFEAIGFLAIKLGVIPSDFSYAGLKDKKAITYQAMVVRKVTPERLKNIEKEIEKKRMNVFNIRSVDDSLR
 LGQLKGNHFDIVIRNLKKQINDSANLRERIMEAIEENVKKKGfVNYGPGQRFKGRKVHTDQIGLALLKNE
 MMKAIKLFLTPEDLDDPVNRAKKYFLQTEDAKGTL SLMPEFKVRERALLEALHRFGMTEEGCIQAWFSLP
 HSMRIFYVHAYTSKIWNEAVSYRLETYGARVVQGDLVCLDEIDDENFPNSKIHLVTEEEGSANMYAIHQ
 VVLPVLGYNIQYPKNKGQWYHDILSRDGLQTCRFKVP TLKLNIPGCYRQILKHPCNLSYQLMEDHDIDV
 KTKGSHIDETALSLLISFDLDASCYATVCLKEIMKHDV

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001271826

ORF Size: 1164 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_001271826.2](#)

RefSeq Size: 3059 bp

RefSeq ORF: 1167 bp

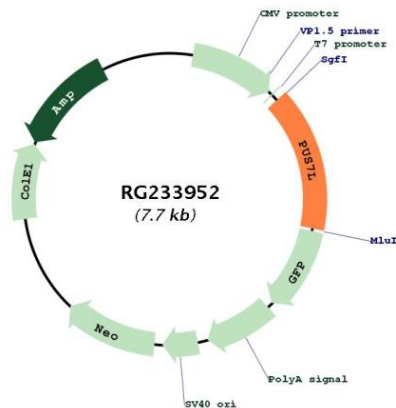
Locus ID: 83448

UniProt ID: [Q9H0K6](#)

Cytogenetics: 12q12

Gene Summary: Pseudouridylate synthase that catalyzes pseudouridylation of RNAs.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG233952