

## Product datasheet for **SC107702**

### **PUS7L (NM\_031292) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PUS7L (NM_031292) Human Untagged Clone
Tag:	Tag Free
Symbol:	PUS7L
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC107702 sequence for NM\_031292 edited (data generated by NextGen Sequencing)

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ATGGAAGAAGATACAGATTATAGAATCAGGTTTAGTTCTTTGTGTTTCTTTAATGATCAC
GTTGGATTTTCATGGCACTATAAAAAGCTCACCAAGTGACTTTATTGTTATTGAAATTGAT
GAACAGGGACAGTTAGTTAATAAGACCATCGATGAGCCTATTTTCAAGATTAGTGAATA
CAACTTGAGCCAAATAATTTTCCAAAAAACCAAAACCTAGATCTTCAAAATCTGTCCTTA
GAAGATGGAAGAACAAGAAAGTTTACTACTTTGATTAAGTACACTGATGGTGACCAAAAT
CATCAGTCTGGTTCAGAAAAGGAAGATACTATCGTTGATGGAACCTCCAATGTGAAGAA
AAAGCTGATGTTTTAAGCTCCTTTTTGGATGAAAAAACTCATGAGTTACTGAATAATTTT
GCCTGTGATGTAAGAGAGAAGTGGCTTTCTAAAACAGAGCTAATTGGACTACCTCCTGAA
TTCTCAATAGGCAGAATCCTTGACAAAAACCAGAGGGCTAGTTTACACAGTGCCATTAGG
CAGAAATTTCCATTTTTAGTAACTGTAGGAAAAACAGTGAAATGTTGTAAAACCAAAAT
CTTGAATATAAAGAAGCTTTGTCATTTGGTATCTGAAGAGGAAGCATTGACTTTTTTAA
TATTTGGATGCAAAGAAAGAAAATTTCAAATTTACCTTTAAACCTGATACAAACAAGAC
CACAGAAAAGCTGTCCACCATTTTGTCAACAAAAGTTTGGAAACCTTGTGGAACCAAA
TCTTTTTCTAAAATGAATTCAGTGTGTTAATCCGAATGTGGTGGTAACAGTAAGATTT
CGGAAAAAAGCACACAAAACGTGGGAAAAGGCCTCTTTCTGAATGCCAAGAAGGAAAAGTT
ATATATACAGCTTTTACCTACGAAAAGGAAAACCTGGAATGTTTGAAGCGATTGGTTTT
TTAGCTATCAAACCTTGGTGTATTTCCTTCGGATTTTAGTTATGCAGGCCTTAAAGACAAG
AAAGCCATCACCTATCAAGCAATGGTGTGTAGAAAAGTGACTCCAGAGAGGTTGAAAAAT
ATTGAAAAAGAAATGAAAAGAAAAGAAATGAATGTCTTTAATATTCGGTCTGTAGATGAT
TCCCTGAGACTTGGTCAGCTCAAAGGAAATCACTTTGATATTGTCATTAGAAAATTTAAAA
AAACAAAATAAATGATTTGCAAAACCTGAGGGAGAGAATTATGGAAGCAATAGAAAATGTT
AAGAAAAAAGGCTTTGTGAATTACTATGGACCACAGAGATTTGGGAAGGGAAGGAAAAGTT
CACACAGACCAAATGGACTAGCTTTGCTGAAGAATGAAATGATGAAAGCCATAAAAATTG
TTTCTTACACCAGAAGACTTGGATGATCCTGTAATAGAGCAAAGAAGTATTTTCTTCAA
ACTGAGGATGCTAAAGGCACACTTTTATTGATGCCTGAATTCAAAGTGCCTGAGAGAGCA
TTGTTGGAGGCATTGCACCGCTTTGGCATGACCGAGGAAGGTTGTATCCAGGCATGGTTC
TCTTTACCCCATCCATGCGCATATTCTATGTTACGCATATACCAGCAAAATTTGGAAT
GAGGCAGTATCTTACAGACTTGAACCTATGGAGCAAGAGTAGTGCAGGGTGATTTGGTC
TGTTTGGATGAAGACATTGATGACGAGAATTTCCCAAATAGTAAAATTCACCTGGTAACT
GAAGAGGAGGGATCAGCTAATATGTATGCAATACATCAGGTGGTCTTCCAGTACTTGG
TACAATATTCAGTACCCGAAGAACAAGTAGGGCAGTGGTACCATGACATACTTAGCAGA
GATGGACTACAGACATGTAGGTTTAAAGTACCTACTCTGAAACTGAATATACCAGTTGC
TATAGACAGATTTTGAACATCCCTGTAATCTCTCATACCAACTAATGGAAGATCATGAC
ATTGATGTCAAACGAAAGGTTCCACATTGATGAAACAGCTTTGTCTCTTTTGTCTCT
TTTGATCTTGATGCTTCATGCTATGCTACCGTTTGTCTGAAGGAAATAATGAAGCATGAC
GTTTAA
```

Clone variation with respect to NM\_031292.3

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_031292 unedited  
 TATAGGGGCGCCGCGATTTCGGCACGAGGTAGACGGGGTCGAGTTTCTTGCGCGATGGCA  
 CTGTTATAGAAGAATGGAAGAAGATACAGATTATAGAATCAGGTTTAGTTCTTTGTGTTT  
 CTTTAATGATCACGTTGGATTTTCATGGCACTATAAAAAGCTCACCAAGTGACTTTATTGT  
 TATTGAAATTGATGAACAGGGACAGTTAGTTAATAAGACCATCGATGAGCCTATTTTCAA  
 GATTAGTGAATAACAACCTTGAGCCAAATAATTTTCCAAAAAACAAAACTAGATCTTCA  
 AAATCTGTCCTTAGAAGATGGAAGAAACCAAGAAGTTCATACTTTGATTAAGTACACTGA  
 TGGTGACCAAAATCATCAGTCTGGTTTCAGAAAAGGAAGATACTATCGTTGATGGAACCTC  
 CAAATGTGAAGAAAAAGCTGATGTTTTAAGCTCCTTTTTGGATGAAAAAATCATGAGTT  
 ACTGAATAATTTTGCCTGTGATGTAAGAGAGAAGTGGCTTTCTAAAAACAGAGCTAATTGG  
 ACTACCTCCTGAATTCTCAATAGGCAGAATCCTTGACAAAAACAGAGGGCTAGTTTACA  
 CAGTGCCATTAGGCAGAAATTTCCATTTTTAGTAACTGTAGGAAAAACAGTGAAATTGT  
 TGTAACCAAAATCTTGATATAAAGAATTTGTCATTTGGTATCTGAAGAGGAAGCTTTT  
 GACTTTTTTAAATATTTGGATGCAAGAAAGAANATTCCANATTTACCTTTTAAACCCTGN  
 TACAACCAAGACCCAGANAAGCTTGCCACCCATTTTTGTCAACAAAAGTTTGGGAAAC  
 CTGGGGAAACAAAATCTTTTCTAAATGAAATTCAGGGCTGGTATCCGAAATGGGGGG  
 GGA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_031292 unedited  
 NTTAGCTCTGGACCCGCGCCGCAATCTAGGATCGAGNTTTTTTTTTTTTTTTTTTTTTTTT  
 GGGGATTGAGAATTTTTATTGCCAAAACATATAACAAAAAACTTTTTAGTATTA  
 AAAATCCAAATACCCCATCATCTTAACAGGAAGGGATTTTCATTTATTTGCTTTTCTCTT  
 CCAAACCTGCATCTGCAGACACTTACTTAACAATAACTAAGTGCCAGGCACTTTTTAAAG  
 GTGCTTTACATATATTAACCTAAAAAATCTCACAGTAATCCTATGAGGTAGGCAATGTT  
 AACATGCCATTTTACAGATGTTGAAACTGAAGCCATGAGTTTAAATAACTTTCCCAAG  
 GCTGCAGTGCTATACGTGGCAGTGCCAGGGTCAAACCTGGGTTAGTTTGTCTCCAATATC  
 TGTGCTTTTAACTACTATGTCAACATGTCTCTTATTTGTGAAAGATGAATTCAGAGTATT  
 ATTGCAGTTGTAACATATGTGTTCTACTTTTAGGGGGCAACATTTTCTCATGAACTAAA  
 TTGGTCATTGCTTTTTTAAATAACTACATATTTTACCATCAAGTTGATACACATCATTTT  
 ACTTACTTTAGTTACGTAATGCTGGACTTTGAAACTGTTTTTGTGCTGTATATGAAA  
 ATATTGCAATAAGCAAATTTTGCAATGATATAGCTTCTCTTCTCTTTTGGATTTTAT  
 TTCTTAATGCTAACATTTCCCAAATGTNTAAACTGGCTTAAGTATATATACACATTAC  
 TGATATATAAAGCTCCATACTGCTTTTTAATTTTCATCATTATTTCTACCAACATGAAAG  
 AAAGCTCAGACTTCTAAACATACCTGTCTACTGCAATCATTCTCCACACACCCTATT  
 TACTGATTAAGGTGAAGGAGATT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_031292

**Insert Size:**

4200 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_031292.2](#), [NP\\_112582.2](#)

**RefSeq Size:** 3959 bp

**RefSeq ORF:** 2106 bp

**Locus ID:** 83448

**UniProt ID:** [Q9H0K6](#)

**Cytogenetics:** 12q12

**Domains:** UPF0024

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

Transcript Variant: This variant (3) uses an alternate splice site in the 5' UTR compared to variant 1. Variants 1, 2, and 3 all encode the same isoform (a).