

Product datasheet for **SC122999**

PUS3 (NM_031307) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PUS3 (NM_031307) Human Untagged Clone
Tag:	Tag Free
Symbol:	PUS3
Synonyms:	2610020J05Rik; FKSG32; MRT55; NEDMIGS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_031307 edited
GCTTCCTTTCTCGGAAACGCGCGCGCGGCTGCCGGAACAGGGCAGACCTGTATGA
TTGGTTTATTCTGGGGTTGTATATCATGGCTGATAATGACACAGACAGAAACCAGACT
GAGAAGCTCCTAAAAAGAGTACGAGAATGGAGCAAGAGGTGCAAAGACTTAAAAAGGAA
CAGGCCAAAAATAAGGAGGACTCAACATTAGAGAAAATTCATCAGGAGCTGGAAAACT
AAGCGTGCATTTGATTTAGTGCTCATGGCCGAAGACAGTAGCCCTAAGAATAGCCTAT
ATGGGCTGGGGATACCAGGGCTTTGCTAGTCAGGAAAACACAAATAATACCATTGAAGAG
AACTGTTTTGAAGCTCTAACCAAGACTCGACTAGTAGAAAGCAGACAGACATCCAACAT
CACCAGTGTGGGAGAACAGATAAAGGAGTTAGTGCCTTTGGACAGGTGATCTCACTTGAC
CTTCGCTCTCAGTTTCAAGGGGAGGGATTCCGAGGACTTTAATGTAAAAGAGGAGGCT
AATGCTGCTGCTGAAGAGATCCGTTATACCCACATTCTCAATCGGGTACTCCCTCCAGAC
ATCCGTATATTGGCCTGGGCCCTGTAGAACCAAGCTTCAGTGCTAGGTTGAGCTGCCTT
GAGCGGACTTACCGCTATTTTTCCCTCGTGTGATTTAGATATTGTAACCATGGATTAT
GCAGCTCAGAAGTATGTTGGCACCCATGATTTGAGGAAGTTGTGTAATGGATGTAGCC
AACGGTGTGATTAATTTTCAAGGAGTATTCTATCTGCTCAAGTACAGCTAGTGGGCCAG
AGCCCAGGTGAGGGGAGATGGCAAGAACCTTTCCAGTTATGTCAGTTTGAAGTACTGGC
CAGGCATTCTTTATCATCAAGTCCGATGTATGATGGCTATCCTCTTTCTGATTGGCCAA
GGAATGGAGAAGCCAGAGATTATTGATGAGCTGCTGAATATAGAGAAAAATCCCCAAAG
CCTCAATATAGTATGGCTGTAGAATTTCTCTAGTCTTATAGTGTAAAGTTTAAAAAT
GTCAAGTGGATCTATGACCAGGAGGCTCAGGAGTTCAATATTACCCACCTACAACAAGT
TGGGCTAATCATGCTGTCAAACTCACATGTTGTATAGTATGCTACAAGGACTGGACACT
GTTCCAGTACCCTGTGGAATAGGACCAAGATGGATGGAATGACAGAATGGGAAATGTT
AAGCCCTCTGTCTATAAGCAGACCAAGTGCCTTTGTAGAAGGAGTGAAGATGCGCATAT
AAGCCCCCTCATGACCGTCTAATGCCAAGGACTGGAATCCCGGATCCAGCATTTTGT
CGTAGGGGACGAATTGAGCACCCACATTTATTCCATGAGGAAGAAACAAAAGCCAAAAGG
GACTGTAATGACACACTAGAGGAAGACAATACTAATTTGGAGACACCAACGAAGAGGGTC
TGTGTTGACACAGAAATTAAGCATCATTTAACCATAGACAATTTGCCAGGATCTAGGA
ACCACCTAATGGTAGGTGGACAGAAAAGGAAAAAAAAAAAAATTTACTTGCAAGTACTAG
GAATTCAGATGATCAGCTCTTAAAAAAAAAAAAAGCAAAAGACTAAAGCCCTATTAA
GGAAGTTATTGCTTTAATAAGAAATTTCAAATATTCTCTTATCCCGGTCCAAAAGGATTA
AGCGATTAAAGAACGTAAATGGAGATGATTTACATACACCTGGAACCTGTGCCTTGT
ATTCAAATTCATTAAGCCTAATCCTGCAAGTAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_031307 unedited
TTCAAATTTTGAATACGACTCACTATAGGGCGGCCGCGNATTCANATCTGGTACCGGTC
CGGAATTTCCGGGATATCGTCGACCCACGCGTCCGGCTTCCTTTCTCGGAAACGCGGCGC
GGCCGGCTGCCGGAACAGGGCAGACCTGTATGATTGGTTTATTCCTGGGGTTGTCATA
TCATGGCTGATAATGACACAGACAGAAACAGACTGAGAAGCTCCTAAAAAGAGTACGAG
AACTGGAGCAAGAGGTGCAAAGACTTAAAAAGGAACAGGCCAAAAATAAGGAGGACTCAA
ACATTAGAGAAAATTCATCAGGAGCTGGAAAACTAAGCGTGCATTTGATTTAGTGCTC
ATGGCCGAAGACAGTAGCCCTAAGAATAGCCTATATGGGCTGGGGATACCAGGGCTTTG
CTAGTCAGGAAAACACAAATAATACCATTGAAGAGAACTGTTTGAAGCTCTAACCAAGA
CTCGACTAGTAGAAAGCAGACAGACATCCAATATCACCGATGTGGGAGAACAGATAAAG
GAGTTAGTGCTTTGGACAGGTGATCTCACTTGACCTTCGCTCTCAGTTTCCAAGGGGCA
GGGATTCCGAGGACTTTAATGTAAAAGAAGAGGCTAATGCTGCTGCTGAAGAGATCCGTT
ATACCCACATTCTCAATCGGGTACTCCCTCCAGACATCCGTATATTGGCTGNGCCCTG
TAGAACAGCTTCAGTGCTAGGTTGAGTGCCTTGAGCGGACTACCGCTATTTTTTCTCT
CGTGCTGAATTAGATATTGTACCATGGATATGCAGCTAAAAATATGGTGACCCATGAT
TTCAGGACCTGGGTAAATGGATGTAGCCAACGTGTGATTATTTTCAAGNACATTCTTTC
TGCCAAGTACAGCTAGTGGGCCAGACC

Restriction Sites:

Please inquire

ACCN:	NM_031307
Insert Size:	1851 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:	<u>NM_031307.2</u> , <u>NP_112597.2</u>
RefSeq Size:	1851 bp
RefSeq ORF:	1446 bp
Locus ID:	83480
UniProt ID:	<u>Q9BZE2</u>
Cytogenetics:	11q24.2
Gene Summary:	The protein encoded by this gene catalyzes the formation of tRNA pseudouridine from tRNA uridine at position 39 in the anticodon stem and loop of transfer RNAs. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2012] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).