

Product datasheet for RN204099

Pus1 (NM_001025563) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pus1 (NM_001025563) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pus1
Synonyms:	MGC112655
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN204099 representing NM_001025563 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGCTTCCCCGCCTGTGGCCGCACTGCTGAGAGCCTGGGGACGGTGGACGGCGGCCAGGCCCGC
GCGTGCCCGCCCTGCCGCTATGGCTGGAACAAGGTGCCACCAGCGCTGCCCTCACACCAGCCGGACAG
GAAGGGCCGAGGTGGCTGGTTTGGGAGGAGACGGAGCATCCTGCCAAGAGGGTCAAGGGCGGTGAGGAT
GAAGAGCCTCCACGCAAGCTGCCAAGCGCAAAATTGTGCTGCTCATGGCCTACTCCGGCAAGGGCTACC
ACGGCATGCAGAGGAATCTGGGGTCTCCAGTTCAGGACCATCGAAGATGACTTGGTATCTGCCTTAGT
CCAGGCAGGTTGTATCCCTGAAAACCATGGCACAGATATGAGGAAGATGTCTTCCAGCGATGTGCTCGC
ACAGACAAGGGTGTGCTGCAGCTGGGCAGGTGGTATCCCTAAAGGTGTGGCTAATTGATGACATCCTGG
ACAAGATCAACAGCCACCTTCCATCCCATATTCGGATTCTGGGACTGAAGAGGGTCAAGGTTGGTTCAA
CTCCAAGAACAAGTGTGACGCCAGGACCTATTGCTACATGCTACCTACCTTTGCCTTTGCTCATAAGGAC
CGGGATGTACAGGATGAGAGCTATCGCCTAAGTGCAGAGACCTGCAGCAGGTCAACCGGCTTCTGGGCT
GCTACAAAGGCACGCATAACTTCCATAACTTCACATCACAGAAGGGGCCGAGAGAGCCTAGTGCACGCCG
CTACATTTCTGGAGATGTACTGCGAGGAGCCCTTTGTTCCGGAGGGCCTGGAGTTTGTCTGTGATCAAGGTG
AAGGGCCAGAGCTTCATGATGCACCAGATCCGGAAGATGGTTGGCCTGGTGGTAGCCATTGTCAAGGTT
ATGCCCTGAGAGTGTCTGGAGCGAAGTTGGGGTGGAGAGAAGGTGGATGTGCCAAGGCACCAGGGCT
TGGCTTAGTCTGGAGAGGGTTCACTTTGAGAAGTACAATCAACGCTTTGGCAGTGACGGCTGCATGAG
CCCCTGGACTGGGCACAGGAGGAAGGGAAGGTGACTGCTTTCAAGGAGCAATACATCTACCTACCATTG
TCAGCACTGAGCGGGATGAGCGGTCCATGGCCAGTGGCTTAACACTTTGCCGATCCACAACCTTCAGTGG
CACTGCACTTGGAGCGGATGACACAGGTGCCAAGGTCCCCAGCTCCCTGGAGGGCAGTGAAGGGGATGGA
GCACTGACT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001025563
Insert Size:	1272 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:	<ol style="list-style-type: none">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_001025563.1</u> , <u>NP_001020734.1</u>
RefSeq Size:	1809 bp
RefSeq ORF:	1272 bp
Locus ID:	304567
UniProt ID:	<u>Q4KM92</u>
Cytogenetics:	12q16
Gene Summary:	Converts specific uridines to PSI in a number of tRNA substrates. Acts on positions 27/28 in the anticodon stem and also positions 34 and 36 in the anticodon of an intron containing tRNA. Involved in regulation of nuclear receptor activity through pseudouridylation of SRA1 RNA.[UniProtKB/Swiss-Prot Function]