

Product datasheet for MC215822

Pus1 (NM_001025561) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pus1 (NM_001025561) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pus1
Synonyms: A730013B20Rik; MPUS1; mPus1p
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC215822 representing NM_001025561
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCTTCCCCGCCTGTGGCCGCACTGCTGAGAACTGGGGACGGTGGACGGCGGCCAGGCCCGC
 GCGTGCCCGCCCTGCCGCTATGGCTGGAACAAGGTGCCACCAGCGCTGGCCTCACACCAACCGGACAG
 GAAGGGCCGAGGTGGCTGGTCTGGGAGGAGACGGAGCATCCTGCAAAGAGGGTCAAGGGCGCGGAGGAT
 GAAGAGCCCCACGCAAGCTGCCAAAGCGAAAAATTGTGCTGCTCATGGCCTACTCGGGCAAGGGCTACC
 ACGGCATGCAGAGGAATCTGGGGTCTCCAGTTCAGGACCATCGAAGATGACTTGGTATCGGCCTTAGT
 CCAGGCAGGTTGTATCCCTGAAAACCATGGCACAGATATGAGGAAGATGTCTTCCAGCGGTGTGCTCGA
 ACAGACAAGCCTTTGAGGACCTCTGCCTGCTTTTGCCTGTACACTGGCTTCTCTCCACTGGGGTGTGT
 CTGCAGCAGGGCAGGTGGTATCCCTAAAGGTGTGGCTGATTGATGACATTCTGGACAAGATCAACAGCCA
 CCTTCCATCCCACATTCGATTCTGGGATTGAAGAGGGTCAAGGGCGGGTCAACTCCAAGAACAAGTGT
 GACGCCAGGACCTACTGCTACATGCTGCCACCTTTGCCCTTGCACAAAGGACCGGATGTACAGGACG
 AGAGCTATCGCCTGAGTGCAGAGACCCTGCAGCAGGTCAACCGCCTTCTGGCCTGTACAAGGCACCCA
 TAACTTCCATAACTTCACTCGCAGAAGGGCCCAAGAGAGCCAGTGCAGCGCCGCTACATTCTGGAGATG
 TACTGCGAAGAGCCCTTCTGACGTGAGGCGCTGGAGTTTGTGCTGATCAAGGTGAAGGGCCAGAGCTTCA
 TGATGCACCAGATCCGGAAGATGGTTGGCTGGTGGTAGCCATTGTGAAGGGTTATGCCCTGAGAGTGT
 CCTGGAGCGCAGCTGGGAGAGGAGAAGGTGGATGTGCCAAAGCACCCGGGCTTGGCTTAGTCTGGAG
 AGGGTTCACTTTGAAAAGTACAATCAACGCTTTGGCGGTGACGGGCTGCATGAGCCCTGGACTGGACGC
 AGGAGGAAGGGAAGGTGACTGCTTTCAAGGAGCAGTACATTTACCTACCATTGTCAGCACTGAGCGGGA
 TGAGCGGTCCATGGCCAGTGGCTCAATACTTTGCCGATCCACACTTCACTGGCACTGCACTTGGAGCG
 GCTGACACAGGTGCCAAGGTCCCGAGTTCCTGGAGGGCAGTGAAGGGGATGGAGACACTGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001025561
Insert Size:	1326 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_001025561.3</u> , <u>NP_001020732.1</u>
RefSeq Size:	1868 bp
RefSeq ORF:	1326 bp
Locus ID:	56361
Cytogenetics:	5 F
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 (PubMed:10094309). Involved in regulation of nuclear receptor activity possibly through pseudouridylation of SRA1 RNA (PubMed:15327771). Isoforms 3 and 4 do not form pseudouridine when expressed in vitro (PubMed:11085940).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.