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Product datasheet for MC205383

Pus10 (NM_028956) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pus10 (NM_028956) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pus10
Synonyms:	2810013G11Rik; 4933435A13Rik; AU014648; C77560; Ccdc139
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC025555
CCACGCGTCCGCTTTGCCGGCCGACCCTTTAAGGCTAGCAGTAAAGCCCCTCGCAGTCTTTCGTTCGTAG
AGCTAGGGGGAGTGCAGGCTGCCAGGCGGACAGCCTTACAGGTCACCGTGTAAGACGAGGGGGTTCCTGC
ATTCCTCTCGTGAGGGGCCTGGTACTTTCGTTGTAAAGCTCTGGTTTTCTTGGGGAACACAACGGCTGAG
CGCAGTAGGTGCGCTGTCTTTACTCTTCCCCGTTCCCACCCAGGGCCGAAAAGGGTTAAGACTCGGCTGC
GGCATCTTGGGAGAAGTTTCTTCTAGTATGCTTCCACTGACTGAGGAGAACAAGCACGTGGCACAGCTGT
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GAAAGGAGGGAGTCTCTGTTACTGAAGATGAAAGCATGGCTGAGAAGCCTTCAAAGCTGAGAGTGTGCAA
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CATTCACTCTATGAAGACACACTACCTGGATGAGCATCATTTTCGTCTGCATTTGAAGACCCAAGCTGGA
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TGACTGCAGACATTCTTGAGCTGGATGTGGAGTCTGTAGATGTTGACTGGCCGCCTGCTCTGGATGACTA
GCTCCCACGTGTGAACACAAAAGGCTTTCCTGGCATGATGTGGACATACAGGCAGCATATCCTGGAAAAT
GACTGTTTACCCACCATAACGGTGTCTTCAAAACCACTTGGATCATGTTGATCTGTTCCTAAAGTTCACT
GTAACATCTCAGGATCTATTTGTACGCATATTTTGTGTTGTGTTGTGTTGTTCTAAGAATGTCTTATGTT
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CAGGGGATGATACCTTCAAAGTAACTTGCTAAAGCTTTCAGATCATCTGAATAAATGTTACAACTAGACT
CATGTAGAAGAGTGTCCTATAATATTCCAATATGTCAAATGTAAATCTGATTCTAATATTTTCCAGTTAC
TCTCAAACAAGCTTCTATTATCAATAGAAGTACTTTAAGGAACAATTTGTCATAGTCCTTATGACCTCAA
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AAAAGTTAAATGACACACCTAGTTACTCTTATAACAGGTCTGGAGCTGATGTTGTGTCTCCAGGAGCCTT
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TACAAAGCCAGGAGGTTGGCTTCTGGAACTTGGATATCAAGTGACGCCCCCAAGAAATGGCTAATGGTAT
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AAGAATTAATCATCAAAAATACCAGAAGGGAAGCTCAATAAAATTTTGACTTAAGTAAAATTTTCATCAG
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GCAGCCTGCTCCTTTGAAACCTTGTTTCATCATGTGTGAATAATAGCAAAGGGTTTTTCATTGTCAGAAA
ATTGAAAAGGAGATAACAGAAACTAACTGATGAAAAGTGAAAAGTTAAAGACTTCTATGTAATGTTTCTC
AGCTTCTGATGAAATTTTGCTAAAAGATTAAATAATTTGGGAAAAGTCAAAAAAAAAAAAAAAAAAAAA AAAAA

Restriction Sites: RsrII-NotI

ACCN:	NM_028956
Insert Size:	1584 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC025555, AAH25555
RefSeq Size:	3435 bp
RefSeq ORF:	1584 bp
Locus ID:	74467
UniProt ID:	Q9D3U0
Cytogenetics:	11
Gene Summary:	Pseudouridylate synthases catalyze pseudouridination of structural RNAs, including transfer, ribosomal, and splicing RNAs. PUS10 catalyzes the formation of the universal psi55 in the GC loop of transfer RNAs (Probable). Modulator of TRAIL-induced cell death via activation of procaspase 8 and BID cleavage. Required for the progression of the apoptotic signal through intrinsic mitochondrial cell death (By similarity).[UniProtKB/Swiss-Prot Function]