

Product datasheet for MC223915

Timeless (NM_011589) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Timeless (NM_011589) Mouse Untagged Clone
Tag: Tag Free
Symbol: Timeless
Synonyms: C77407; Debt69; tim
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223915 representing NM_011589
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACTTGTACATGATGAACTGTGAACTTCTAGCCACGTGTAGCGCCCTTGGTACTTGAAGGAGGGA
 CTTACCACAAGGAGCCGGATTGCCTGGAGAGTGTGAAGGATTTGATCCGATACCTGAGGCACGAGGATGA
 GACCCGAGATGTGCGGCAGCAGCTGGGAGCTGCACAGATCCTGCAGAGCGACCTCCTGCCAATCCTCAGC
 CAGCATCGCCAGGACAAGCCTCTCTTCGATGCCGTGATCAGGCTGATGGTAAATTTGACACAGCCAGCCT
 TGCTCTGTTTTGGCAGCGTGCCTAAGGACTCCAGTGTACGGCACCATTTTCTGCAGGTTCTAACGTACCT
 GCAAGCCTACAAAGAGGCCTTTGCCAGTGAAGGCATTTGGAGTCTCAGCGAGACCTTGATGAATTG
 CTACAGCTGGGCTGGGAGGATCGGCAAGAAGAAGACAACCTTGCTGATCGAGCGGATCCTTCTGCTGGTCA
 GAAATATTCTCCATGTCCCGCCAACCTTGAGCAGGAGAAGAGTATCGATGATGATGCCAGCATCCACGA
 CCGTCTCCTTTGGGCAATTCACCTCAGTGGCATGGACGACTTGCCTCTTCTGTCAGCTCATCCGCC
 GAGCAGCAGTGGAGCCTCCATGTGCTGGAGATCATCTCCCTCATGTTCCGAGACCAGACCCTGAGCAGC
 TAGCGGGAGTAGGGCAGGAGCCTTGGCTCAGGAGCGAAGCAGGATGTGGCAGAATTGGAGGTGCTGCG
 CCAACGGGAGATGGCGGAGAAGAGAGCTCGGGCCCTCCAGCGAGGAAACAGGCACCTCTCGATTTGGGGGC
 TCTACATTGTCCAGGGTTGAAATCTATTGGGAGAAGGATGTGCTCTTTCACAAAGGCCTTACAATC
 TCCAGAACTACAGCTCAGATCTGGGAAAGCAGCCAGGAGGGTGCCTAACGCTCGTCAGGCTGCCAGGA
 GCTGTCTGTCCATCGCCGCTCTGTCTGAATGTGAGACTTCTCCTCAGAGACTTCTGCTCTGAGTTCCTG
 GAGAACTGCTACAACCCGCTCATGGGCGCGGTCAAGGATCATCTGCTTCGGGAGAGAGCGCAGCAGCATG
 ACGAGACTTACTACATGTGGCAATGGCTTTCTCATGGCCTTCAACCGAGCTGCCACCTCCGCCCCGG
 CCTTGTCTGAGACCCTCAGTATCCGTACCTTTCACTTTGTGGAGCAGAACCTCACCACTACTACGAG
 ATGATGCTGACAGACCGCAAGGAGGCCCTCCTGGGCGCGCAGGATGCACCTGGCCCTGAAGGCCTACC
 AGGAGCTGCTGGCCACGGTGAACGAGATGGACATGTGCCAGATGAGGCTTTAGGGAGAGCAGTCGTAT
 CATCAAAAACAACATTTTCTATATGATGGAGTACCGAGAATTTCTGCGCCTTTTCGAAAGTTTGTAT
 GAGAGATACCATCCACGCTCATTCTTCGAGACCTGGTGGAAACCCACCTCTTCTCAAATGTTGG



```

AGCGCTTTTGCCGGAGCCGCGGGAACCTGATGGTGCAGAACAAAAGAAAAAGAGGAAAAAGAAAAAGAA
GGTTCAGGACCAGGGTGTGCTTTCTCACAAAGCCCCGGGGAGCTGGAGGCCATGTGGCCAGCCCTGGCA
GAGCAGCTGCTGCAGTGTGCCAGGACCCTGAGCTCAGTGTGGACCCCGTCGTTCCCTTTGATGCGGCCT
CAGAGGTGCCAGTGGAGGAGCAGCGGTAGAAGCCATGGTGAAGATCCAAGACTGCCTTACGGCTGGCCA
GGCCCCGAAGCCCTGGCCCTCCTGCGGTCTGCCGGGAAGTGTGGCTGAAGGAAATGCGTTTGGCTCT
CCAGTCATTTCCCAGGGGAAGAAATGCAGTTGCTGAAACAAATCCTCTCCACGCCCTTCCCCGGCAGC
AGGAGCCAGAAGAAGAGATGCAGAGGAGGAAGAGGAAGAGGAGGAGGAAAGAGGATACAGGTGGTCCA
GGTGTGAGAGAAGGAGTTAACTTTCTGGAATACCTGAAACGCTTCGCATCCTCAACCATCGTTCGGGCC
TACGTGCTTCTCCTGCGGAGCTACAGGCAGAACAGTGTCTCACACCAACCACTGCATCGCCAAGATGCTGC
ACCGGCTGGCCATGGCCTGGGGATGGAAGCCCTGCTTTTCCAGCTGTCCCTGTTCTGCCTCTTCAATCG
GCTGCTTAGTGACCCAGCTGCTGCGGCCTACAAAGAGCTAGTGACTTTTGCCAAATACATCATTGGCAAG
TTCTTTGCGTTGGCTGCCGTGAACCAGAAAGCGTTTGTGGAGCTGCTGTTCTGGAAGAACACCGCAGTGG
TTCGGAAATGACCCAGGATATGGCTCCCTCGACAGTGGGTCTCCAGCCACAGAGCTCCTCTGTGGAG
CCCTGAGGAAGAGGCCAGCTTCAGGAATACTCGCCACAAGGATGTGGAAGTCAAGATGTAGTG
GAAACCATATTGGCGCACCTGAAAGTCGTTCTCGAACACGCAAGCAGGTATCCACCACCTGGTCCGGA
TGGGCCTGGCCGACAGCTCAAGGAGTTCAGAAGAGGAAAGGGACCCAGATTGTCTTGTGGACGGAGGA
CCAGGAGCTGGAGTTACAGCGGCTCTTTGAGGAGTTCGGGACTCTGATGATGTTCTTGGTCAAATCATG
AAGAATATCACAGCCAAACGTTACGGGCTCGAGTAGTGGACAACTGTTGGCCCTGGGGTTGGTGTCTG
AGCGGAGGCAGCTATACAAGAAACGGAGAAAGAAGCTGGCGCCTTCTTGCATGCAGAATGGAGAAAAGTC
CCCAGAGACCCCTGGCAGGAAGATCCGGAAGAGGAAGACGAACACTGCCAGAGGACGAAAGTGAAGAT
GAGGAGAGTGAGGAAGGCTTCCATCAGGACAGGGTCAGGGCAGCTCATCTCTCTGCTGAAAACCTCG
GTGAGAGCCTTCGTCAGGAAGGCTCTCTGCTCCCTCCTGTGGCTCCAGAGCTCCCTGATCCGAGCAGC
AAATGACCGAGAAGAGGATGGCTGCTCCAGGCAATCCCTCTGGTGCCTGACAGAGGAAAATGAGGAA
GCAATGGAGAACGAACAGTTTCAGCATCTGCTACGCAAGCTAGGGATCCGGCCGCCAGCTCAGGGCAGG
AAACCTTCTGGAGAATTCCAGCCAACTGAGCTCCACCCAGCTTCGGAGGGTGGCTGCTTCTTGTAGTCA
GCAAGAAAACGAGGAGGAAAGGGAAGAGGAGCCAGAGCCAGGAGTCCCCGGAGAGCAGGGTCCCAGTGAG
GAGCACCCGACAGAAGCCCTGAGAGCCCTTCTGTAGCCCGTAAGAGGAAAGCAGGCCTGGGGCCTACAG
AAGAGGAGGCCACTGGGGAGGAAGAATGGAACCTCAGCGCCCAAGAAGCGGCAACTGCTGGACAGCGACGA
AGAGGAAGATGATGAGGGGAGGAGCAAGCAGTGTCCGGAAACGCCAAGAGTCCACAGGAAGAAACGGTTT
CAGATTGAGGATGAGGATGACTGA
    
```

```

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
    
```

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_011589

Insert Size:

3594 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_011589.2](#), [NP_035719.1](#)

RefSeq Size: 4422 bp

RefSeq ORF: 3594 bp

Locus ID: 21853

UniProt ID: [Q9R1X4](#)

Cytogenetics: 10 76.49 cM

Gene Summary: The protein encoded by this gene is highly conserved and is involved in cell survival after damage or stress, increase in DNA polymerase epsilon activity, maintenance of telomere length, and epithelial cell morphogenesis. The encoded protein also plays a role in the circadian rhythm autoregulatory loop, interacting with the PERIOD genes (PER1, PER2, and PER3) and others to downregulate activation of PER1 by CLOCK/ARNTL. Changes in this gene or its expression may promote prostate cancer, lung cancer, breast cancer, and mental disorders. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2014]

Transcript Variant: This variant (2) represents use of an alternate promoter and 5' UTR, compared to variant 4. Both variants 2 and 4 encode the same isoform (2).