

Product datasheet for MC223077

Timeless (NM_001164080) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Timeless (NM_001164080) 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: >MC223077 representing NM_001164080
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACTTGTACATGATGAACTGTGAACTTCTAGCCACGTGTAGCGCCCTTGGTACTTGAAGGAGGGA
 CTTACCACAAGGAGCCGGATTGCCTGGAGAGTGTGAAGGATTTGATCCGATACCTGAGGCACGAGGATGA
 GACCCGAGATGTGCGGCAGCAGCTGGGAGCTGCACAGATCCTGCAGAGCGACCTCCTGCCAATCCTCAGC
 CAGCATCGCCAGGACAAGCCTCTCTTCGATGCCGTGATCAGGCTGATGGTAAATTTGACACAGCCAGCCT
 TGCTCTGTTTTGGCAGCGTGCCTAAGGACTCCAGTGTACGGCACCATTTTCTGCAGGTTCTAACGTACCT
 GCAAGCCTACAAAGAGGCCTTTGCCAGTGAAGGCATTTGGAGTCTCAGCGAGACCTTGATGAATTG
 CTACAGCTGGGCTGGGAGGATCGCAAGAAGAACAACCTTGCTGATCGAGCGGATCCTTCTGCTGGTCA
 GAAATATTCTCCATGTCCCGCCAACCTTGAGCAGGAGAAGAGTATCGATGATGATGCCAGCATCCACGA
 CCGTCTCCTTTGGGCAATTCACCTCAGTGGCATGGACACTTGTCTCTTCTGTCAGCTCATCCGCC
 GAGCAGCAGTGGAGCCTCCATGTGCTGGAGATCATCTCCCTCATGTTCCGAGACCAGACCCTGAGCAGC
 TAGCGGGAGTAGGGCAGGACGCTTGGCTCAGGAGCGAAGCAGGATGTGGCAGAATTGGAGGTGCTGCC
 CCAACGGGAGATGGCGGAGAAGAGAGCTCGGGCCCTCCAGCGAGGAAACAGGCACCTCTCGATTTGGGGGC
 TCTACATTGTCCAGGGTTGAAATCTATTGGGGAAGGATGTGCTCTTTCACAAAGGCCTTCACAATC
 TCCAGAACTACAGCTCAGATCTGGGAAAGCAGCCAGGAGGTGCCAAGCGTCGTGAGGCTGCCAGGA
 GCTGTCTGTCCATCGCCGCTCTGTCTGAATGTGAGACTTCTCCTCAGAGACTTCTGCTCTGAGTTCCTG
 GAGAACTGCTACAACCCGCTCATGGGCGCGGTCAAGGATCATCTGCTTCGGGAGAGAGCGCAGCAGCATG
 ACGAGACTTACTACATGTGGCAATGGCTTTCTCATGGCCTTCAACCGAGCTGCCACCTCCGCCCCGG
 CCTTGTCTGAGACCCTCAGTATCCGTACCTTCACTTTGTGGAGCAGAACCTCACCACTACTACGAG
 ATGATGCTGACAGACCGCAAGGAGGCCCTCCTGGGCGCGAGGATGCACCTGGCCCTGAAGGCCTACC
 AGGAGCTGCTGGCCACGGTGAACGAGATGGACATGTGCCAGATGAGGCTTTAGGGAGAGCAGTCTGAT
 CATCAAAAACAACATTTTCTATATGATGGAGTACCGAGAATTTCTGCGCTCTTTCAAAGTTTGTAT
 GAGAGATACCATCCAGCTCATTCTTCGAGACCTGGTGGAAACCAACCTCTTCTCAAATGTTGG



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AGCGCTTTTGCCGGAGCCGCGGGAACCTGATGGTGCAGAACAAAAGAAAAAGAGGAAAAAGAAAAAGAA
GGTTCAGGACCAGGGTGTGCTTTCTCACAAAGCCCCGGGGAGCTGGAGGCCATGTGCCAGCCCTGGCA
GAGCAGCTGCTGCAGTGTGCCAGGACCCTGAGCTCAGTGTGGACCCCGTCGTTCCCTTTGATGCGGCCT
CAGAGGTGCCAGTGGAGGAGCAGCGGTAGAAGCCATGGTGAAGATCCAAGACTGCCTTACGGCTGGCCA
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CCAGTCATTTCCCAGGGGAAGAAATGCAGTTGCTGAAACAAATCCTCTCCACGCCCTTCCCCGGCAGC
AGGAGCCAGAAGAAGGAGATGCAGAGGAGGAAGAGGAGGAGGAGGAAAGAGGATACAGGTGGTCCA
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TACGTGCTTCTCCTGCGGAGCTACAGGCAGAACAGTGCTCACACCAACCACTGCATCGCCAAGATGCTGC
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GCTGCTTAGTGACCCAGCTGCTGCGGCCTACAAAGAGCTAGTGACTTTTGCCAAATACATCATTGGCAAG
TTCTTTGCGTTGGCTGCCGTGAACCAGAAAGCGTTTGTGGAGCTGCTGTTCTGGAAGAACACCGCAGTGG
TTCGGAAATGACCCAGGATATGGCTCCCTCGACAGTGGGTCTCCAGCCACAGAGCTCCTCTGTGGAG
CCCTGAGGAAGAGGCCAGCTTCAGGAATACTCGCCACAAGGATGTGGAAGTCAAGATGTAGTG
GAAACCATATTGGCGCACCTGAAAGTCGTTCTCGAACACGCAAGCAGGTATCCACCACCTGGTCCGGA
TGGGCCTGGCCGACAGCGTCAAGGAGTTCAGAAGAGGAAAGGGACCCAGATTGTCTTGTGGACGGAGGA
CCAGGAGCTGGAGTTACAGCGGCTCTTTGAGGAGTTCGGGACTCTGATGATGTTCTTGGTCAAATCATG
AAGAATATCACAGCCAAACGTTACGGGCTCGAGTAGTGGACAACTGTTGGCCCTGGGGTTGGTGTCTG
AGCGGAGGCAGCTATACAAGAAACGGAGAAAGAAGCTGGCGCCTTCTTGCATGCAGAATGGAGAAAAGTC
CCCAGAGACCCCTGGCAGGAAGATCCGGAAGAGGAAGACGAACACTGCCAGAGGACGAAAGTGAAGAT
GAGGAGAGTGAGGAAGGCTTCCATCAGGACAGGGTCAGGGCAGCTCATCTCTCTGCTGAAAACCTCG
GTGAGAGCCTTCGTCAGGAAGGCTCTCTGCTCCCTCCTGTGGCTCCAGAGCTCCCTGATCCGAGCAGC
AAATGACCGAGAAGAGGATGGCTGCTCCAGGCAATCCCTTGGTGCCTTGACAGAGGAAAATGAGGAA
GCAATGGAGAACGAACAGTTTCAGCATCTGCTACGCAAGCTAGGGATCCGGCCGCCAGCTCAGGGCAGG
AAACCTTCTGGAGAATTCCAGCCAACTGAGCTCCACCCAGCTTCGGAGGGTGGCTGCTTCTTGTAGTCA
GCAAGAAAACGAGGAGGAAAGGGAAGAGGAGCCAGAGCCAGGAGTCCCCGGAGAGCAGGGTCCCAGTGAG
GAGCACCAGGACAGAAGCCCTGAGAGCCCTTCTGTGAGCCGTAAGAGGAAAGCAGGCCTGGGGCCTACAG
AAGAGGAGGCCACTGGGGAGGAAGAATGGAACCTCAGCGCCCAAGAAGCGGCAACTGCTGGACAGCGACGA
AGAGGAAGATGATGAGGGGAGGAGGCAAGTGTCCGGAACGCCAAGAGTCCACAGGAAGAAACGGTTTCAG
ATTGAGGATGAGGATGACTGA

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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001164080

Insert Size:

3591 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_001164080.1](#), [NP_001157552.1](#)

RefSeq Size: 4476 bp

RefSeq ORF: 3591 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 (3) uses an alternate in-frame splice site in the 3' coding region, compared to variant 4. The resulting isoform (3) lacks one aa near the C-terminus, compared to isoform 2.