

Product datasheet for MC223076

Timeless (BC058641) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Timeless (BC058641) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Timeless
 Synonyms: tim, Debt69
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >BC058641
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACTTGTACATGATGAACTGTGAACTTCTAGCCACGTGTAGCGCCCTTGGTACTTGAAGGAGGGA
 CTTACCACAAGGAGCCGGATTGCCTGGAGAGTGTGAAGGATTTGATCCGATACCTGAGGCACGAGGATGA
 GACCCGAGATGTGCGGCAGCAGCTGGGAGCTGCACAGATCCTGCAGAGCGACCTCCTGCCAATCCTCAGC
 CAGCATCGCCAGGACAAGCCTCTCTTCGATGCCGTGATCAGGCTGATGGTAAATTTGACACAGCCAGCCT
 TGCTCTGTTTTGGCAGCGTGCCTAAGGACTCCAGTGTACGGCACCATTTTCTGCAGGTTCTAACGTACCT
 GCAAGCCTACAAAGAGGCCTTTGCCAGTGAAGGCATTTGGAGTCTCAGCGAGACCTTGATGAATTG
 CTACAGCTGGGCTGGGAGGATCGGCAAGAAGAAGACAACCTTGCTGATCGAGCGGATCCTTCTGCTGGTCA
 GAAATATTCTCCATGTCCCGCCAACCTTGAGCAGGAGAAGAGTATCGATGATGATGCCAGCATCCACGA
 CCGTCTCCTTTGGGCAATTCACCTCAGTGGCATGGACACTTGCCTCTTCTGTCAGCTCATCCGCC
 GAGCAGCAGTGGAGCCTCCATGTGCTGGAGATCATCTCCCTCATGTTCCGAGACCAGACCCTGAGCAGC
 TAGCGGGAGTAGGGCAGGAGCCTTGGCTCAGGAGCGAAGCAGGATGTGGCAGAATTTGGAGGTGCTGCC
 CCAACGGGAGATGGCGGAGAAGAGAGCTCGGGCCCTCCAGCGAGGAAACAGGCACCTCTCGATTTGGGGGC
 TCTACATTGTCCAGGGTTGAAATCTATTGGGGAGAAGGATGTGCTCTTTCACAAAGGCCTTCACAATC
 TCCAGAACTACAGCTCAGATCTGGGAAAGCAGCCAGGAGGGTGCCCAAGCGTCGTGAGGCTGCCAGGA
 GCTGTCTGTCCATCGCCGCTCTGTCTGAATGTGAGACTTCTCCTCAGAGACTTCTGCTCTGAGTTCCTG
 GAGAACTGCTACAACCCGCTCATGGGCGCGGTCAAGGATCATCTGCTTCGGGAGAGAGCGCAGCAGCATG
 ACGAGACTTACTACATGTGGCAATGGCTTTCTCATGGCCTTCAACCGAGCTGCCACCTCCGCCCCGG
 CCTTGTCTGAGACCCTCAGTATCCGTACCTTTCACTTTGTGGAGCAGAACCTCACCACTACTACGAG
 ATGATGCTGACAGACCGCAAGGAGGCCCTCCTGGGCGCGCAGGATGCACCTGGCCCTGAAGGCCTACC
 AGGAGCTGCTGGCCACGGTGAACGAGATGGACATGTGCCAGATGAGGCTTTAGGGAGAGCAGTCGTAT
 CATCAAAAACAACATTTTCTATATGATGGAGTACCGAGAATTTCTGCGCCTCTTTCCAAAGTTTGTAT
 GAGAGATACCATCCACGCTCATTCTTCGAGACCTGGTGGAAACCCACCTCTTCTCAAATGTTGG



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RefSeq ORF: 3176 bp

Locus ID: 21853

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]