

Product datasheet for SC208003

PER1 (NM_002616) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PER1 (NM_002616) Human 3' UTR Clone
Symbol:	PER1
Synonyms:	hPER; PER; RIGUI
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002616
Insert Size:	626 bp
Insert Sequence:	>SC208003 3'UTR clone of NM_002616 The sequence shown below is from the reference sequence of NM_002616. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTACCTACAGCAGGAACTGCACCAGCTAGACTCCATTCTGGGACCATCTCCAGGAGTCCATGAGAGGC
TTTCTTCTCCTATGTCCCAATTCTCAGAACTCAGATGTGGCTAGACCAACCAGTGGGAACTGCCCCAG
CTTCTCCCACCATAGGGGGCCGGACCCCATCACCAGCCTAGGATCCAGGGGCTGCCTCTGGCCTCTTA
GGGAGCAGAGAGCAGAACTCCGAGCCAGCCAGAGGAGTGTCACCTCCACCTTTGGAGAGGAATCC
TTCCCTCCCCTGGACAAAGTTGCTGACAAGCTGCTGAAGTGGCCTCTCCATATTCCAGCTGAGCCTGAA
TCTGACTCTTGAGGGTTGGGGCTGCACTTATTTATTGCGGGGAGACAGCTCTCTCCCACCTCCTCCC
CAGATGGGAGGAGAGCCTGAGGCCAAGCAGGACCCGGGGTTCCAGCCCTAGCTGCTCTGGAGTGGG
GGAGGTTGGTGGACCATGGAGTCCCTGGTGTGCCCTCAGGTGGGACCCAGGCGTTCTCAGCTGTACC
CTCTGCCGATGGCATTGTGTTTTGATATTTGTGTCTGTTACTACTTTTTTAATACAAAAGATAAAA
ACGCC
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).



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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_002616.3</u>
Summary:	This gene is a member of the Period family of genes and is expressed in a circadian pattern in the suprachiasmatic nucleus, the primary circadian pacemaker in the mammalian brain. Genes in this family encode components of the circadian rhythms of locomotor activity, metabolism, and behavior. This gene is upregulated by CLOCK/ARNTL heterodimers but then represses this upregulation in a feedback loop using PER/CRY heterodimers to interact with CLOCK/ARNTL. Polymorphisms in this gene may increase the risk of getting certain cancers. Alternative splicing has been observed in this gene; however, these variants have not been fully described. [provided by RefSeq, Jan 2014]
Locus ID:	5187
MW:	22.3