

Product datasheet for **SC208534**

Cryptochrome I (CRY1) (NM_004075) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Cryptochrome I (CRY1) (NM_004075) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: CRY1
Synonyms: DSPD; PHLL1
ACCN: NM_004075
Insert Size: 668 bp
Insert Sequence: >SC208534 3'UTR clone of NM_004075
The sequence shown below is from the reference sequence of NM_004075. 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
CCTAAAGTCCAGAGACAGAGCACTAATTAGAAAAACATTCAGGAGGAATACTGTTGCAGCTGAAATTGGT
GGGGAGTTCAATACTTTTCAATTAAGTTATTTAAAAATATCTTCATTGATGAAAGCAGTTACATATT
GAAATATGTTGTTTCTAATGACATTTCTGTGGTTTTTAACTTTTAATGAATTTACAGAGACAATTG
GTAATTTGTATATAAAGAACTTGGCAAGAGAATTTGCTTAATGTAATATAAACAGTCACAATTAGTAT
AGACCCATCGATATATTTTTGATAATTTTTCATGTATGGTAAAGTTAAATGACAAATTGATATTCTGA
TATAAACTCAAAGTTTTGAAGTCAGTGGGAAAAAAGGAGTTTTAGACTTTCTAAAAGACGTTAAA
ATTTTAGGACAGAATTTCTTGATGTTGTTGATCTAACTTTGCACTCTTGATAATAATGTTTTAGAT
AATGTGCGTAATCCAAATTGGTATTGTAGCCTCTGTTAACACAGACAGTATATGTTTTAACTTTGATG
TAAACCTTTTTAGACCCAACTTGTGGAAGTATCATGTGTTAAGTTCTCTGTCTGTTTCTTTGTTCA
TTTATTACTAAAATGAACTTGTTATTAAGTATATGCAAATATGAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites: Sgfl-Mlul

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).

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.



[View online »](#)

RefSeq: [NM_004075.5](#)

Summary: This gene encodes a flavin adenine dinucleotide-binding protein that is a key component of the circadian core oscillator complex, which regulates the circadian clock. 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 have been associated with altered sleep patterns. The encoded protein is widely conserved across plants and animals. Loss of the related gene in mouse results in a shortened circadian cycle in complete darkness. [provided by RefSeq, Jan 2014]

Locus ID: 1407

MW: 26.2