# Product datasheet for MR211559L3V

## Timeless (BC058641) Mouse Tagged ORF Clone Lentiviral Particle

## Product data:

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|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | Timeless (BC058641) Mouse Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | Timeless |
| **Synonyms:** | tim, Debt69 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| **Tag:** | Myc-DDK |
| **ACCN:** | BC058641 |
| **ORF Size:** | 3174 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(MR211559). |
| **OTI Disclaimer:** | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| **OTI Annotation:** | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| **RefSeq:** | BC058641, AAH58641 |
| **RefSeq Size:** | 4002 bp |
| **RefSeq ORF:** | 3176 bp |
| **Locus ID:** | 21853 |
| **Cytogenetics:** | 10 76.49 cM |

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**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]