

# Product datasheet for MR211773L3V

## Per1 (BC091645) Mouse Tagged ORF Clone Lentiviral Particle

### **Product data:**

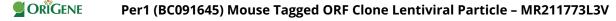
#### **Product Type: Lentiviral Particles Product Name:** Per1 (BC091645) Mouse Tagged ORF Clone Lentiviral Particle Symbol: Per1 Per, mPer1, m-rigui Synonyms: **Mammalian Cell** Puromycin Selection: Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092) Tag: Myc-DDK ACCN: BC091645 ORF Size: 3555 bp The ORF insert of this clone is exactly the same as(MR211773). **ORF** Nucleotide Sequence: **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:** BC091645, AAH91645 **RefSeq Size:** 4412 bp **RefSeq ORF:** 3557 bp Locus ID: 18626 Cytogenetics: 11 B3



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Gene Summary:This gene is a member of the Period family of genes and is expressed in a circadian pattern<br/>in the suprachiasmatic nucleus, the primary circadian pacemaker in the mammalian brain.<br/>Genes in this family encode components of the circadian rhythms of locomotor activity,<br/>metabolism, and behavior. This gene is upregulated by Clock/Arntl heterodimers but then<br/>represses this upregulation in a feedback loop using Per/Cry heterodimers to interact with<br/>Clock/Arntl. Polymorphisms in this gene may increase the risk of getting certain cancers. Two<br/>transcript variants encoding the same protein have been found for this gene. [provided by<br/>RefSeq, Jan 2014]

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