

Product datasheet for MR211773L4V

Per1 (BC091645) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

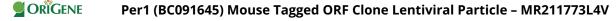
Product Type: Lentiviral Particles Product Name: Per1 (BC091645) Mouse Tagged ORF Clone Lentiviral Particle Symbol: Per1 Per, mPer1, m-rigui Synonyms: **Mammalian Cell** Puromycin Selection: Vector: pLenti-C-mGFP-P2A-Puro (PS100093) mGFP Tag: ACCN: BC091645 ORF Size: 3555 bp The ORF insert of this clone is exactly the same as(MR211773). **ORF** Nucleotide Sequence: The molecular sequence of this clone aligns with the gene accession number as a point of **OTI Disclaimer:** 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
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. Two
transcript variants encoding the same protein have been found for this gene. [provided by
RefSeq, Jan 2014]

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