

Product datasheet for **MR210710L3V**

Ppargc1a (NM_008904) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

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| Product Type: | Lentiviral Particles |
| Product Name: | Ppargc1a (NM_008904) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Ppargc1a |
| Synonyms: | A830037N07Rik; Gm111133; Pgc; PGC-1; Pgc-1alpha; Pgc1; Pgco1; PPARGC-1-alpha; Ppargc1 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_008904 |
| ORF Size: | 2391 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR210710). |
| 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: | NM_008904.1 , NP_032930.1 |
| RefSeq Size: | 3029 bp |
| RefSeq ORF: | 2394 bp |
| Locus ID: | 19017 |
| UniProt ID: | O70343 |
| Cytogenetics: | 5 C1 |



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Gene Summary:

This gene encodes a transcriptional coactivator that induces and coordinates gene expression regulating mitochondrial biogenesis, respiration, hepatic gluconeogenesis, thermogenic program in brown fat and muscle fiber-type switching. Mice lacking the encoded protein exhibit reduced thermogenic capacity, hyperactivity and resistance to diet-induced obesity. Mice lacking the encoded protein specifically in the heart exhibit peripartum cardiomyopathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]