

Product datasheet for **RC212244L1V**

PGC1 alpha (PPARGC1A) (NM_013261) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PGC1 alpha (PPARGC1A) (NM_013261) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PGC1 alpha
Synonyms:	LEM6; PGC-1(alpha); PGC-1alpha; PGC-1v; PGC1; PGC1A; PPARGC1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_013261
ORF Size:	2394 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212244).
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_013261.2
RefSeq Size:	6317 bp
RefSeq ORF:	2397 bp
Locus ID:	10891
UniProt ID:	Q9UBK2
Cytogenetics:	4p15.2
Domains:	RRM
Protein Families:	Druggable Genome, Transcription Factors



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Protein Pathways: Adipocytokine signaling pathway, Huntington's disease, Insulin signaling pathway

MW: 90.8 kDa

Gene Summary: The protein encoded by this gene is a transcriptional coactivator that regulates the genes involved in energy metabolism. This protein interacts with PPARgamma, which permits the interaction of this protein with multiple transcription factors. This protein can interact with, and regulate the activities of, cAMP response element binding protein (CREB) and nuclear respiratory factors (NRFs). It provides a direct link between external physiological stimuli and the regulation of mitochondrial biogenesis, and is a major factor that regulates muscle fiber type determination. This protein may be also involved in controlling blood pressure, regulating cellular cholesterol homeostasis, and the development of obesity. [provided by RefSeq, Jul 2008]