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Product datasheet for RC224480L2V

PGC1 beta (PPARGC1B) (NM_133263) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PGC1 beta (PPARGC1B) (NM_133263) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PGC1 beta
Synonyms:	ERRL1; PERC; PGC-1(beta); PGC1B
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_133263
ORF Size:	3069 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224480).
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_133263.2, NP_573570.2
RefSeq Size:	3277 bp
RefSeq ORF:	3072 bp
Locus ID:	133522
UniProt ID:	Q86YN6
Cytogenetics:	5q32
Protein Families:	Druggable Genome, Transcription Factors
MW:	113 kDa

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Gene Summary: The protein encoded by this gene stimulates the activity of several transcription factors and nuclear receptors, including estrogen receptor alpha, nuclear respiratory factor 1, and glucocorticoid receptor. The encoded protein may be involved in fat oxidation, non-oxidative glucose metabolism, and the regulation of energy expenditure. This protein is downregulated in prediabetic and type 2 diabetes mellitus patients. Certain allelic variations in this gene increase the risk of the development of obesity. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2010]