

Product datasheet for **MR206565L4V**

Pdk3 (NM_145630) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Pdk3 (NM_145630) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Pdk3
Synonyms:	2610001M10Rik; A1035637
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_145630
ORF Size:	1248 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR206565).
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_145630.2
RefSeq Size:	2000 bp
RefSeq ORF:	1248 bp
Locus ID:	236900
UniProt ID:	Q922H2
Cytogenetics:	X C3



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Gene Summary:

Inhibits pyruvate dehydrogenase activity by phosphorylation of the E1 subunit PDHA1, and thereby regulates glucose metabolism and aerobic respiration. Can also phosphorylate PDHA2. Decreases glucose utilization and increases fat metabolism in response to prolonged fasting, and as adaptation to a high-fat diet. Plays a role in glucose homeostasis and in maintaining normal blood glucose levels in function of nutrient levels and under starvation. Plays a role in the generation of reactive oxygen species (By similarity).[UniProtKB/Swiss-Prot Function]