

Product datasheet for **MR211980L4V**

Lmtk3 (NM_001005511) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Lmtk3 (NM_001005511) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Lmtk3
Synonyms:	aatyk3; BC059845
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001005511
ORF Size:	4272 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211980).
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_001005511.3
RefSeq Size:	4867 bp
RefSeq ORF:	4275 bp
Locus ID:	381983
UniProt ID:	Q5XJV6
Cytogenetics:	7 B3



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Gene Summary:

Protein kinase which phosphorylates ESR1 (in vitro) and protects it against proteasomal degradation. May also regulate ESR1 levels indirectly via a PKC-AKT-FOXO3 pathway where it decreases the activity of PKC and the phosphorylation of AKT, thereby increasing binding of transcriptional activator FOXO3 to the ESR1 promoter and increasing ESR1 transcription (By similarity). Involved in endocytic trafficking of N-methyl-D-aspartate receptors (NMDAR) in neurons (PubMed:24760852).[UniProtKB/Swiss-Prot Function]