

## Product datasheet for **MR216539L4V**

### **Dyrk1b (NM\_010092) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Dyrk1b (NM_010092) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Dyrk1b
Synonyms:	Mirk
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010092
ORF Size:	1767 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR216539).
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. <a href="#">More info</a>
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:	<a href="#">NM_010092.2</a> , <a href="#">NP_034222.1</a>
RefSeq Size:	2018 bp
RefSeq ORF:	1770 bp
Locus ID:	13549
UniProt ID:	<a href="#">Q9Z188</a>
Cytogenetics:	7 A3



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**Gene Summary:**

Dual-specificity kinase which possesses both serine/threonine and tyrosine kinase activity. Enhances the transcriptional activity of TCF1/HNF1A and FOXO1. Inhibits epithelial cell migration. Mediates colon carcinoma cell survival in mitogen-poor environments. Inhibits the SHH and WNT1 pathways, thereby enhancing adipogenesis. In addition, promotes expression of the gluconeogenic enzyme glucose-6-phosphatase (G6PC).[UniProtKB/Swiss-Prot Function]