

## Product datasheet for **RR210723L3V**

### **Dok1 (NM\_001025416) Rat Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Dok1 (NM_001025416) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Dok1
Synonyms:	Dok-1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001025416
ORF Size:	1440 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR210723).
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_001025416.1</a> , <a href="#">NP_001020587.1</a>
RefSeq Size:	1757 bp
RefSeq ORF:	1443 bp
Locus ID:	312477
UniProt ID:	<a href="#">Q4QQV2</a>
Cytogenetics:	4q34



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**Gene Summary:**

DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK1 appears to be a negative regulator of the insulin signaling pathway. Modulates integrin activation by competing with talin for the same binding site on ITGB3 (By similarity).[UniProtKB/Swiss-Prot Function]