

## Product datasheet for **MR203388L4V**

### Prkcdbp (Cavin3) (NM\_028444) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Prkcdbp (Cavin3) (NM_028444) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cavin3
Synonyms:	3110015B12Rik; 6330514M23Rik; SRBC
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_028444
ORF Size:	783 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR203388).
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_028444.1</a> , <a href="#">NP_082720.1</a>
RefSeq Size:	1026 bp
RefSeq ORF:	783 bp
Locus ID:	109042
UniProt ID:	<a href="#">Q91VJ2</a>
Cytogenetics:	7 E3



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**Gene Summary:**

Regulates the traffic and/or budding of caveolae (By similarity). Plays a role in caveola formation in a tissue-specific manner. Required for the formation of caveolae in smooth muscle but not in the lung and heart endothelial cells (PubMed: 28285351, PubMed:23652019). Regulates the equilibrium between cell surface-associated and cell surface-dissociated caveolae by promoting the rapid release of caveolae from the cell surface (PubMed:25588833). Plays a role in the regulation of the circadian clock. Modulates the period length and phase of circadian gene expression and also regulates expression and interaction of the core clock components PER1/2 and CRY1/2 (PubMed:23079727). [UniProtKB/Swiss-Prot Function]