

## Product datasheet for **MR218930L3V**

### **Pank4 (NM\_172990) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Pank4 (NM_172990) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Pank4
Synonyms:	D030031112Rik; R75150
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_172990
ORF Size:	2319 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR218930).
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_172990.4</a> , <a href="#">NP_766578.2</a>
RefSeq Size:	2598 bp
RefSeq ORF:	2322 bp
Locus ID:	269614
UniProt ID:	<a href="#">Q80YV4</a>
Cytogenetics:	4 E2



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**Gene Summary:**

Plays a role in the physiological regulation of the intracellular CoA concentration (By similarity). The phosphatase activity shows preference for normal or oxidatively damaged intermediates of 4'-phosphopantetheine, which provides strong indirect evidence that the phosphatase activity pre-empts damage in the CoA pathway (By similarity). Hydrolyzing excess 4'-phosphopantetheine could constitute a directed overflow mechanism to prevent its oxidation to the S-sulfonate, sulfonate, or other forms (By similarity). Hydrolyzing 4'-phosphopantetheine sulfonate or S-sulfonate would forestall their conversion to inactive forms of CoA and acyl carrier protein (By similarity).[UniProtKB/Swiss-Prot Function]