

## Product datasheet for **MR209514L3V**

### Tkt (NM\_009388) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Tkt (NM_009388) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Tkt
Synonyms:	p6; p68
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_009388
ORF Size:	1872 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209514).
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_009388.2</a>
RefSeq Size:	3242 bp
RefSeq ORF:	1872 bp
Locus ID:	21881
UniProt ID:	<a href="#">P40142</a>
Cytogenetics:	14 B



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**Gene Summary:**

This gene encodes an enzyme that binds magnesium and thiamine pyrophosphate and catalyzes the transfer of sugar phosphates to an aldose acceptor. This enzyme is a key component of the pentose phosphate pathway during glycolysis. It is significantly expressed in the cornea and may be involved in the cellular response against oxidative stress. Haploinsufficiency of this gene leads to decreased growth and reduction of adipose tissue. [provided by RefSeq, Dec 2013]