

Product datasheet for **MR218388L4V**

Tktl2 (NM_028927) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tktl2 (NM_028927) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Tktl2
Synonyms:	4933401119Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_028927
ORF Size:	1884 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR218388).
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. More info
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:	NM_028927.3 , NP_083203.2
RefSeq Size:	2039 bp
RefSeq ORF:	1884 bp
Locus ID:	74419
UniProt ID:	Q9D4D4
Cytogenetics:	8 B3.1



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Gene Summary:

Plays an essential role in total transketolase activity and cell proliferation in cancer cells; after transfection with anti-TKTL1 siRNA, total transketolase activity dramatically decreases and proliferation was significantly inhibited in cancer cells. Plays a pivotal role in carcinogenesis (By similarity).[UniProtKB/Swiss-Prot Function]