

Product datasheet for **RC205557L3V**

TKTL2 (NM_032136) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TKTL2 (NM_032136) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TKTL2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_032136
ORF Size:	1878 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205557).
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_032136.3 , NP_115512.2
RefSeq Size:	2837 bp
RefSeq ORF:	1881 bp
Locus ID:	84076
UniProt ID:	Q9H0I9
Cytogenetics:	4q32.2
Protein Pathways:	Metabolic pathways, Pentose phosphate pathway
MW:	67.9 kDa



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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. [UniProtKB/Swiss-Prot Function]