

Product datasheet for **RC201664L4V**

TCTP (TPT1) (NM_003295) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TCTP (TPT1) (NM_003295) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TCTP
Synonyms:	HRF; p02; p23; TCTP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003295
ORF Size:	516 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201664).
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_003295.1
RefSeq Size:	4649 bp
RefSeq ORF:	519 bp
Locus ID:	7178
UniProt ID:	P13693
Cytogenetics:	13q14.13
Domains:	TCTP
MW:	19.6 kDa



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Gene Summary:

This gene encodes a protein that is a regulator of cellular growth and proliferation. Its mRNA is highly structured and contains an oligopyrimidine tract (5'-TOP) in its 5' untranslated region that functions to repress its translation under quiescent conditions. The encoded protein is involved in a variety of cellular pathways, including apoptosis, protein synthesis and cell division. It binds to and stabilizes microtubules, and removal of this protein through phosphorylation is required for progression through mitotic and meiotic cell divisions. This gene is known to play a role in carcinogenesis, and is upregulated in some cancer cells. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2017]