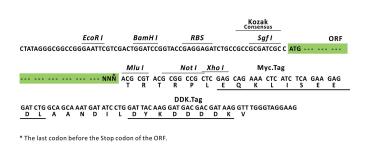


Product datasheet for RC201664L3

TCTP (TPT1) (NM_003295) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCTP (TPT1) (NM_003295) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	ТСТР
Synonyms:	HRF; p02; p23; TCTP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201664).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf1 ORF Mlu I GCG ATC GC ATG// NNN ACG CGT



ACCN: ORF Size: NM_003295 516 bp

OriGene Technologies, Inc.

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CRIGENE TCTP (TPT1) (NM_003295) Human Tagged Lenti ORF Clone – RC201664L3	
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.
	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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM 003295.1</u>
RefSeq Size:	4649 bp
RefSeq ORF:	519 bp
Locus ID:	7178
UniProt ID:	<u>P13693</u>
Cytogenetics:	13q14.13
Domains:	ТСТР
MW:	19.6 kDa

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CRIGENE TCTP (TPT1) (NM_003295) Human Tagged Lenti ORF Clone – RC201664L3

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]

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