

Product datasheet for **RC208637L4V**

TOP1MT (NM_052963) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TOP1MT (NM_052963) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TOP1MT
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_052963
ORF Size:	1803 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208637).
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_052963.2
RefSeq Size:	1953 bp
RefSeq ORF:	1806 bp
Locus ID:	116447
UniProt ID:	Q969P6
Cytogenetics:	8q24.3
Protein Families:	Druggable Genome
MW:	69.9 kDa



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Gene Summary:

This gene encodes a mitochondrial DNA topoisomerase that plays a role in the modification of DNA topology. The encoded protein is a type IB topoisomerase and catalyzes the transient breaking and rejoining of DNA to relieve tension and DNA supercoiling generated in the mitochondrial genome during replication and transcription. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2012]