

Product datasheet for **RC215658L4V**

Topoisomerase I (TOP1) (NM_003286) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Topoisomerase I (TOP1) (NM_003286) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Topoisomerase I
Synonyms:	TOPI
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003286
ORF Size:	2295 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215658).
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_003286.2
RefSeq Size:	3734 bp
RefSeq ORF:	2298 bp
Locus ID:	7150
UniProt ID:	P11387
Cytogenetics:	20q12
Domains:	TOPEUc
Protein Families:	Druggable Genome



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MW: 90.5 kDa

Gene Summary: This gene encodes a DNA topoisomerase, an enzyme that controls and alters the topologic states of DNA during transcription. This enzyme catalyzes the transient breaking and rejoining of a single strand of DNA which allows the strands to pass through one another, thus altering the topology of DNA. This gene is localized to chromosome 20 and has pseudogenes which reside on chromosomes 1 and 22. [provided by RefSeq, Jul 2008]