

Product datasheet for **MR219695L3V**

Top2a (NM_011623) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Top2a (NM_011623) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Top2a
Synonyms:	Top-2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_011623
ORF Size:	4584 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR219695).
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_011623.2 , NP_035753.2
RefSeq Size:	5217 bp
RefSeq ORF:	4587 bp
Locus ID:	21973
UniProt ID:	Q01320
Cytogenetics:	11 62.91 cM



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Gene Summary:

Control of topological states of DNA by transient breakage and subsequent rejoining of DNA strands. Topoisomerase II makes double-strand breaks. Essential during mitosis and meiosis for proper segregation of daughter chromosomes. May play a role in regulating the period length of ARNTL/BMAL1 transcriptional oscillation (PubMed:24321095).[UniProtKB/Swiss-Prot Function]