

Product datasheet for MR207073L4

Tada2a (NM_172562) Mouse Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tada2a (NM_172562) Mouse Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	Tada2a
Synonyms:	AV319371; D030022J10Rik; Tada2l
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR207073).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF.

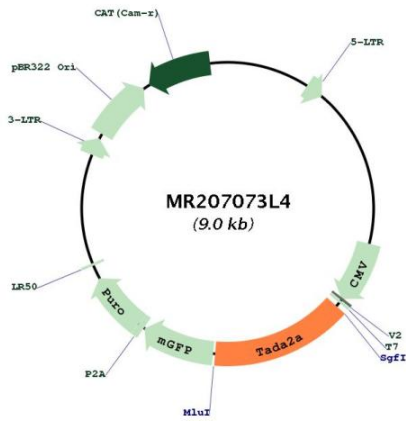
ACCN:	NM_172562
ORF Size:	1332 bp



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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.
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:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. 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:	NM_172562.1
RefSeq Size:	2119 bp
RefSeq ORF:	1332 bp
Locus ID:	217031
UniProt ID:	Q8CHV6
Cytogenetics:	11 C
Gene Summary:	Component of the ATAC complex, a complex with histone acetyltransferase activity on histones H3 and H4 (By similarity). Required for the function of some acidic activation domains, which activate transcription from a distant site (By similarity). Binds double-stranded DNA (PubMed:16299514). Binds dinucleosomes, probably at the linker region between neighboring nucleosomes (PubMed:16299514). Plays a role in chromatin remodeling (By similarity). May promote TP53/p53 'Lys-321' acetylation, leading to reduced TP53 stability and transcriptional activity (By similarity). May also promote XRCC6 acetylation thus facilitating cell apoptosis in response to DNA damage (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207073L4