

Product datasheet for RR207116L3

Mst1 (NM_024352) Rat Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids		
Product Name:			
Product Name:	Mst1 (NM_024352) Rat Tagged Lenti ORF Clone		
Tag:	Myc-DDK		
Symbol:	Mst1		
Synonyms:	E2F2		
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(RR207116).		
Restriction Sites:	Sgfl-Mlul		
Cloning Scheme:			
0	Cloning sites used for ORF Shuttling:		
	Sgf1 ORF Mlu I GCG ATC GC ATG// NNN ACG CGT		

			Kozak Consensus		
EcoR	I BamHI	RBS	Sgfl	ORF	
CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGGTACCGAGGAGATCTGCCGCCGCGATCGC C ATG ··· ···					
	Mlu I	Notl_ <u>Xhol</u>	Myc.Tag		
	NNN ACG CGT ACG T R T	CGG CCG CTC GAG R P L E	CAG AAA CTC ATC T Q K L I	CA GAA GAG S E E	
DDK.Tag					
GAT CTG GCA GCA AAT GAT	ATC CTG GAT TAC AAG	GAT GAC GAC GAT AA	G GTT TGGGTAGGAAG		
<u>DL</u> AAND	ILDYK		v		
* The last codon before the	Stop codon of the ORF				

ACCN: ORF Size:

NM_024352 2148 bp

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STATE MSt1 (NM_024352) Rat Tagged Lenti ORF Clone – RR207116L3		
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. <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 024352.1, NP 077328.1</u>	
RefSeq Size:	2222 bp	
RefSeq ORF:	2151 bp	
Locus ID:	24566	
Cytogenetics:	8q32	
Gene Summary:	ligand for receptor tyrosine kinase STK/RON; may mediate germ cell-germ cell interaction during spermatogenesis, and acquisition of sperm motility and/or fertilizing capacity in the epididymis [RGD, Feb 2006]	

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