

Product datasheet for MR223465L4

Lmo2 (NM_008505) Mouse Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	Lmo2 (NM_008505) Mouse Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	Lmo2
Synonyms:	Rbtn-2; Rbtn2; Rhom-2; Ttg2
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(MR223465).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf I ORF Mlu I GCG ATC GCC ATG// NNN ACG CGT

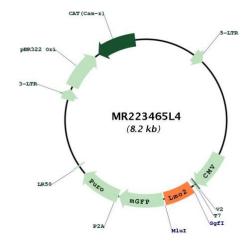
					Koz Conse	ak nsus			
EcoR I	Bam	ні	RBS		5	gf I		OR	F
CTATAGGGCGGCCGGGAATTCGTC	GACTGGA	rccggtac	GAGGAGA	TCTGC	coccoco	ATCGC	ATG	 	-
	Mlu I		Noti <u>X</u>	ho I	m	IGFP Ta	g		
NNŇ	ACG CGT	ACG CGG		GAG	ATG AGC M S		GC G -	 	
				-		-	-		_
GGA CTC AGA GTT TGG G L R V	i GTA GGA	AGC							

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



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Plasmid Map:



ACCN:	NM_008505
ORF Size:	
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 008505.4</u>
RefSeq Size:	1646 bp
RefSeq ORF:	687 bp

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	Lmo2 (NM_008505) Mouse Tagged Lenti ORF Clone – MR223465L4
Locus ID:	16909
Cytogenetics:	2 54.46 cM
Gene Summary:	Acts with TAL1/SCL to regulate red blood cell development. Also acts with LDB1 to maintain erythroid precursors in an immature state.[UniProtKB/Swiss-Prot Function]

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