

# Product datasheet for MR205094L4

# Erlin2 (NM\_153592) Mouse Tagged Lenti ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids					
Product Name:	Erlin2 (NM_153592) Mouse Tagged Lenti ORF Clone					
Tag:	mGFP					
Symbol:	Erlin2					
Synonyms:	BC036333; C87251; Spfh2					
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(MR205094).					
<b>Restriction Sites:</b>	Sgfl-Mlul					
Cloning Scheme:						
-	Cloning sites used for ORF Shuttling: Sgf I ORF MIU I GCG ATC GCC ATG// NNN ACG CGT					

<u>Ecor I</u> CTATAGGGCGGCCGGGAATTCGTC		Bam GGA1		GTACC	RE	-	тста		 nsus gf I	- C C A	TG	 0	RF 
NNŇ	MI ACG T		ACG T		lot I CCG P		GAG E	ATG M	GFP GGG G			 	 -
GGA CTC AGA GTT TGG     G L R V     The last codon before the Stop c													

ACCN: ORF Size: NM\_153592 1023 bp

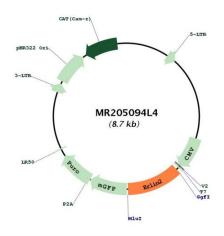


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<b>GRIGENE</b> Erlin2	(NM_153592) Mouse Tagged Lenti ORF Clone – MR205094L4
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same 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:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 153592.1</u>
RefSeq Size:	3951 bp
RefSeq ORF:	1023 bp
Locus ID:	244373
UniProt ID:	<u>Q8BFZ9</u>
Cytogenetics:	8 A2
Gene Summary:	Component of the ERLIN1/ERLIN2 complex which mediates the endoplasmic reticulum- associated degradation (ERAD) of inositol 1,4,5-trisphosphate receptors (IP3Rs) such as ITPR1. Promotes sterol-accelerated ERAD of HMGCR probably implicating an AMFR/gp78-containing ubiquitin ligase complex. Involved in regulation of cellular cholesterol homeostasis by regulation the SREBP signaling pathway. May promote ER retention of the SCAP-SREBF complex (By similarity).[UniProtKB/Swiss-Prot Function]

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## **Product images:**



Circular map for MR205094L4

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