

# Product datasheet for RR205870L4

### Mt3 (NM\_053968) Rat Tagged Lenti ORF Clone

#### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids					
Product Name:	Mt3 (NM_053968) Rat Tagged Lenti ORF Clone					
Tag:	mGFP					
Symbol:	Mt3					
Synonyms:	GIF; Mt-3					
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(RR205870).					
<b>Restriction Sites:</b>	Sgfl-Mlul					
Cloning Scheme:	Cloning sites used for ORF Shuttling: Sgf I ORF Mlu I GCG ATC GCC ATG// NNN ACG CGT					

							_	Koz Conse		_				
EcoR I	В	amH I		RI	35			S	gf I				0	RF
CTATAGGGCGGCCGGGAATTCGTC	GACTG	GATCC	GGTAC	GAG	GAGA	тстб	ccgc	cGCG	ATCG	C C A	TG			
	Mlu I		Not I			Xho I		mGFP Ta						
NNŇ	ACG T	CGT AG	G CGG	CCG P	CTC L	GAG E	ATG M	AGC S	GGG G	GGC G		1		<u></u>
GGA CTC AGA GTT TGG G L R V	GTA G	GA AG	C											

ACCN: ORF Size: NM\_053968 198 bp

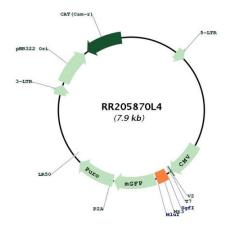


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\* The last codon before the Stop codon of the ORF.

ORIGENE Mt3 (N	M_053968) Rat Tagged Lenti ORF Clone – RR205870L4
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 053968.3</u> , <u>NP 446420.1</u>
RefSeq Size:	405 bp
RefSeq ORF:	201 bp
Locus ID:	117038
UniProt ID:	<u>P37361</u>
Cytogenetics:	19p12
Gene Summary:	heavy metal binding protein; acts as an inhibitor of neurite sprouting and deficiency may play a role in Alzheimer's disease [RGD, Feb 2006]

## Product images:



Circular map for RR205870L4

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