

# Product datasheet for RR212577L4

## Mpc1 (NM\_133561) Rat Tagged Lenti ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids					
Product Name:	Mpc1 (NM_133561) Rat Tagged Lenti ORF Clone					
Tag:	mGFP					
Symbol:	Mpc1					
Synonyms:	Brp44l; SLC54A1					
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(RR212577).					
<b>Restriction Sites:</b>	Sgfl-Mlul					
Cloning Scheme:						
	Cloning sites used for ORF Shuttling:					
	[GCG ATC GC]C ATG // NNN  ACG CGT]					

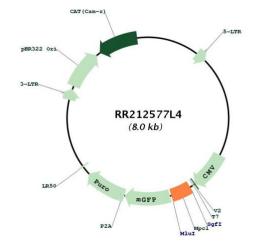
							_	Koza Consei		_				
EcoR I	В	amH I		RE	35			S	gf I				о	RF
CTATAGGGCGGCCGGGAATTCGTC	GACTG	GATCCGG	TACC	GAG	GAGA	тсто	CCGC	cGCG	ATCG	C C A	TG			
	Mlu I			Notl_Xhol				mGFP Tag						
NNŇ	ACG (	GT ACG	CGG R	CCG	стс	GAG F	ATG M	AGC	GGG	GGC G				
		K I	n	F		E	-141	3	9	0	-	-	-	<u> </u>
GGA CTC AGA GTT TGG	G GTA G	GA AGC												

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



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#### Plasmid Map:



ACCNI	
ACCN:	NM_133561
ORF Size:	327 bp
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 133561.1, NP 598245.1</u>
RefSeq Size:	901 bp
RefSeq ORF:	330 bp

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	Mpc1 (NM_133561) Rat Tagged Lenti ORF Clone – RR212577L4
Locus ID:	171087
UniProt ID:	<u>P63031</u>
Cytogenetics:	1q12
Gene Summary:	may be involved in apoptosis of neuronal cells [RGD, Feb 2006]

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