

# Product datasheet for RR210701L4

## Psmb9 (NM\_012708) Rat Tagged Lenti ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Expression Plasmids				
Product Name:	Psmb9 (NM_012708) Rat Tagged Lenti ORF Clone				
Tag:	mGFP				
Symbol:	Psmb9				
Synonyms:	Lmp2				
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(RR210701).				
<b>Restriction Sites:</b>	Sgfl-Mlul				
Cloning Scheme:					
	Cloning sites used for ORF Shuttling:				
	Sgfi ORF <u>Miui</u>				
	GCG ATC GC ATG// NNN ACG CGT				

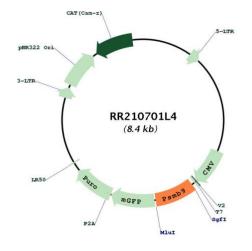
						Koz Conse		_			
EcoR I	Bam	ні	RE	IS		s	gf I			OF	RF
CTATAGGGCGGCCGGGAATTCGTCG	GACTGGA	rccggt	ACCGAG	GAGATCT	sccg	coco	ATCG	C C A	TG -	 	-
	Mlu I	_	Not I	_Xho I	_	m	GFP	Tag			
NNŇ	ACG CGT		GG CCG	CTC GA	G ATG M	AGC S	GGG G	GGC G		 	·:-
GGA CTC AGA GTT TGG G L R V	GTA GGA	AGC				-					

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



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#### Plasmid Map:



ACCN:	NM_012708
ORF Size:	657 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 012708.2, NP 036840.2</u>
RefSeq Size:	913 bp
RefSeq ORF:	660 bp

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	Psmb9 (NM_012708) Rat Tagged Lenti ORF Clone – RR210701L4
Locus ID:	24967
UniProt ID:	<u>P28077</u>
Cytogenetics:	20p12
Gene Summary:	subunit of the proteasome complex, which may play a role in protein catabolism [RGD, Feb 2006]

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