

Product datasheet for MR222617L4

Pax5 (NM_008782) Mouse Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	Pax5 (NM_008782) Mouse Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	Pax5
Synonyms:	BSAP; EBB-1; KLP; Pax-5
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(MR222617).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling: Sgf I ORF Mlu I GCG ATC GC ATG // NNN ACG CGT

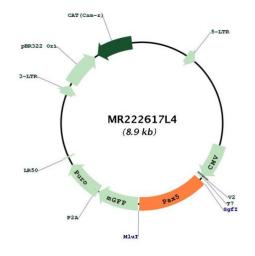
								_	Koza Consei		_				
EcoR I		Bam	нı		RI	35			S	gf I				0	RF
CTATAGGGCGGCCGGGAATTCGTC	GACT	GGA	ccGe	STACC	GAG	GAGA	тстб	ccgc	cGCG	ATCG	C C A	TG			
	Mlu I		_	Noti_XI			no I	mGFP			Гад				
NNŇ	ACG T	CGT R	ACG T	CGG R	CCG P	стс L	GAG E	ATG M	AGC S	GGG G	GGC G	- :-	-:-	-:-	
GGA CTC AGA GTT TGG G L R V	i GTA	GGA	AGC												

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



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Plasmid Map:



ACCN:	NM_008782
ORF Size:	1173 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:	 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 008782.2</u>
RefSeq Size:	1208 bp
RefSeq ORF:	1176 bp

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	Pax5 (NM_008782) Mouse Tagged Lenti ORF Clone – MR222617L4
Locus ID:	18507
UniProt ID:	<u>Q02650</u>
Cytogenetics:	4 23.55 cM
Gene Summary:	May play an important role in B-cell differentiation as well as neural development and spermatogenesis. Involved in the regulation of the CD19 gene, a B-lymphoid-specific target gene.[UniProtKB/Swiss-Prot Function]

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