

Product datasheet for MR222175L4

Npas1 (NM_008718) Mouse Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids						
Product Name:	Npas1 (NM_008718) Mouse Tagged Lenti ORF Clone						
Tag:	mGFP						
Symbol:	Npas1						
Synonyms:	bHLHe11; MOP5						
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(MR222175).						
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 Conse	nsus	_			
EcoR I		Bam	нı		RE	35			S	gf I			0	RF
CTATAGGGCGGCCGGGAATTCGTC	GACT	GGA	rccGo	GTACC	GAG	GAGA	тстб	ccGC	cGCG	ATCG	C C A	TG -	 	
	Mlu I			Not I		Xho I			mGFP Tag					
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	G GTA	GGA	AGC											
* The last codon before the Stop c	odon	ofth	e ORF											

ACCN: ORF Size: NM_008718 1785 bp

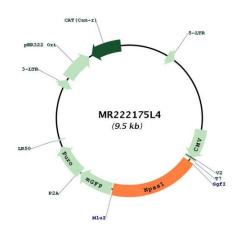


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	(NM_008718) Mouse Tagged Lenti ORF Clone – MR222175L4
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through 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 008718.2, NP 032744.1</u>
RefSeq Size:	2091 bp
RefSeq ORF:	1785 bp
Locus ID:	18142
UniProt ID:	<u>P97459</u>
Cytogenetics:	7 9.14 cM
Gene Summary:	May control regulatory pathways relevant to schizophrenia and to psychotic illness. May play a role in late central nervous system development by modulating EPO expression in response to cellular oxygen level. Forms a heterodimer that binds core DNA sequence 5'-TACGTG-3' within the hypoxia response element (HRE) leading to transcriptional repression on its target gene TH (PubMed:27782878).[UniProtKB/Swiss-Prot Function]

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Product images:



Circular map for MR222175L4

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