

Product datasheet for MR200895L4

Pfn1 (NM_011072) Mouse Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids					
Product Name:	Pfn1 (NM_011072) Mouse Tagged Lenti ORF Clone					
Tag:	mGFP					
Symbol:	Pfn1					
Synonyms:	Pfn					
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(MR200895).					
Restriction Sites:	Sgfl-Mlul					
Cloning Scheme:						
	Cloning sites used for ORF Shuttling:					
	Sgf I ORF Miu I [GCG ATC GC]C ATG // NNŇ ACG CGT]					

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EcoR I		Bam	нı		RI	35			S	gf I				01	RF
CTATAGGGCGGCCGGGAATTCGTC	GACT	GGA	rccoo	STACC	GAG	GAGA	тстб	ccGC	caca	ATCG	C C A	TG			
	Mlu I			,	Notl_Xhol			mGFP Ta							
NNŇ	ACG T	CGT R	ACG T	CGG R	CCG P	CTC L	GAG E	ATG M	AGC S	GGG G	GGC G		1		
GGA CTC AGA GTT TGG G L R V	GTA	GGA	AGC												

ACCN: ORF Size: NM_011072 423 bp



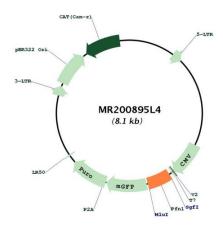
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* The last codon before the Stop codon of the ORF.

ORÎGENE Pî	fn1 (NM_011072) Mouse Tagged Lenti ORF Clone – MR200895L4
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.
	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 Met	 hod: 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. 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 011072.2, NP 035202.1</u>
RefSeq Size:	883 bp
RefSeq ORF:	423 bp
Locus ID:	18643
UniProt ID:	<u>P62962</u>
Cytogenetics:	11 43.21 cM
Gene Summary:	Binds to actin and affects the structure of the cytoskeleton. At high concentrations, profilin prevents the polymerization of actin, whereas it enhances it at low concentrations. By binding to PIP2, it inhibits the formation of IP3 and DG. Inhibits androgen receptor (AR) and HTT aggregation and binding of G-actin is essential for its inhibition of AR (By similarity). [UniProtKB/Swiss-Prot Function]

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Product images:



Circular map for MR200895L4

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