

Product datasheet for MR222568L4

OriGene Technologies, Inc.

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Pacsin2 (NM_001159510) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Pacsin2 (NM_001159510) Mouse Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Pacsin2

Synonyms: Al197433

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Sgfl-Mlul

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(MR222568).

Sequence:

Restriction Sites: Cloning Scheme:



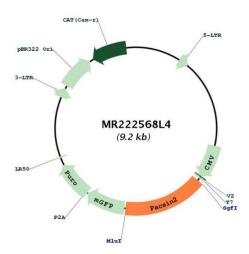


 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.





Plasmid Map:



ACCN: NM_001159510

ORF Size: 1458 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. More info

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: 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 001159510.1, NP 001152982.1</u>

RefSeq Size: 3644 bp RefSeq ORF: 1461 bp



Pacsin2 (NM_001159510) Mouse Tagged Lenti ORF Clone - MR222568L4

 Locus ID:
 23970

 UniProt ID:
 Q9WVE8

 Cytogenetics:
 15 E1

Gene Summary: Lipid-binding protein that is able to promote the tubulation of the phosphatidic acid-

containing membranes it preferentially binds. Plays a role in intracellular vesicle-mediated transport. Involved in the endocytosis of cell-surface receptors like the EGF receptor, contributing to its internalization in the absence of EGF stimulus. May also play a role in the

formation of caveolae at the cell membrane. Recruits DNM2 to caveolae, and thereby plays a

role in caveola-mediated endocytosis.[UniProtKB/Swiss-Prot Function]