

Product datasheet for MR217555L4

OriGene Technologies, Inc.

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Caprin1 (NM_001111292) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Caprin1 (NM_001111292) Mouse Tagged Lenti ORF Clone

Tag: mGFP Symbol: Caprin1

Synonyms: AL022980; Caprin-1; Gpiap; Gpiap1; Mmgpip137; P137; rng105

Mammalian Cell Puromycin

Selection:

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

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

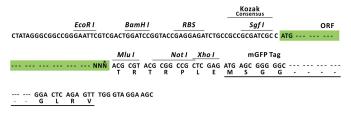
ORF Nucleotide The ORF insert of this clone is exactly the same as(MR217555).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



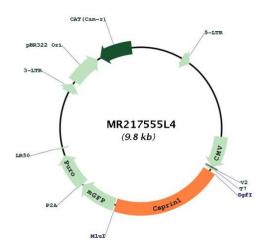


^{*} The last codon before the Stop codon of the ORF.





Plasmid Map:



ACCN: NM_001111292

ORF Size: 2076 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 001111292.1</u>, <u>NP 001104762.1</u>

RefSeq Size: 3508 bp **RefSeq ORF:** 2079 bp



Caprin1 (NM_001111292) Mouse Tagged Lenti ORF Clone - MR217555L4

 Locus ID:
 53872

 UniProt ID:
 Q60865

 Cytogenetics:
 2 E2

Gene Summary: May regulate the transport and translation of mRNAs of proteins involved in synaptic

plasticity in neurons and cell proliferation and migration in multiple cell types

(PubMed:20516077). Binds directly and selectively to MYC and CCND2 RNAs. In neuronal cells, directly binds to several mRNAs associated with RNA granules, including BDNF, CAMK2A, CREB1, MAP2, NTRK2 mRNAs, as well as to GRIN1 and KPNB1 mRNAs, but not to rRNAs (By

similarity).[UniProtKB/Swiss-Prot Function]