

Product datasheet for RC231388L3

OriGene Technologies, Inc.

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Ensconsin (MAP7) (NM_001198616) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Ensconsin (MAP7) (NM_001198616) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Ensconsin

Synonyms: E-MAP-115; EMAP115

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

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

ORF Nucleotide The ORF insert of this clo

Sequence:

The ORF insert of this clone is exactly the same as(RC231388).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001198616

ORF Size: 2136 bp





Ensconsin (MAP7) (NM_001198616) Human Tagged Lenti ORF Clone - RC231388L3

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 001198616.1</u>, <u>NP 001185545.1</u>

 RefSeq ORF:
 2139 bp

 Locus ID:
 9053

 UniProt ID:
 Q14244

 Cytogenetics:
 6q23.3

Protein Families: Druggable Genome

MW: 80.4 kDa

Gene Summary: The product of this gene is a microtubule-associated protein that is predominantly expressed

in cells of epithelial origin. Microtubule-associated proteins are thought to be involved in microtubule dynamics, which is essential for cell polarization and differentiation. This protein has been shown to be able to stabilize microtubules, and may serve to modulate microtubule

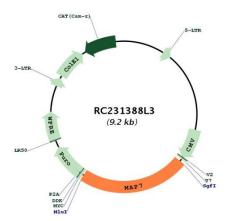
functions. Studies of the related mouse protein also suggested an essential role in

microtubule function required for spermatogenesis. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct

2010]



Product images:



Circular map for RC231388L3