

Product datasheet for RC220473L2

OriGene Technologies, Inc.

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MAP1LC3A (NM_181509) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: MAP1LC3A (NM_181509) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: MAP1LC3A

Synonyms: ATG8E; LC3; LC3A; MAP1ALC3; MAP1BLC3

Mammalian Cell None

Selection:

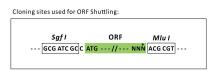
Vector:pLenti-C-mGFP (PS100071)E. coli Selection:Chloramphenicol (34 ug/mL)

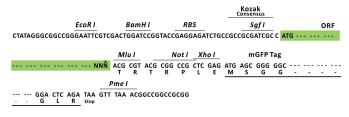
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC220473).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_181509

ORF Size: 375 bp





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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 181509.1</u>

 RefSeq Size:
 990 bp

 RefSeq ORF:
 378 bp

 Locus ID:
 84557

 UniProt ID:
 Q9H492

 Cytogenetics:
 20q11.22

MW: 14.3 kDa

Gene Summary: MAP1A and MAP1B are microtubule-associated proteins which mediate the physical

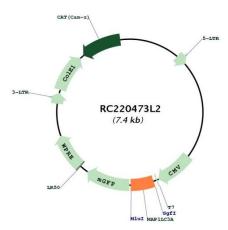
interactions between microtubules and components of the cytoskeleton. MAP1A and MAP1B each consist of a heavy chain subunit and multiple light chain subunits. The protein encoded by this gene is one of the light chain subunits and can associate with either MAP1A or MAP1B. Two transcript variants encoding different isoforms have been found for this gene. The

expression of variant 1 is suppressed in many tumor cell lines, suggesting that may be

involved in carcinogenesis. [provided by RefSeq, Feb 2012]



Product images:



Circular map for RC220473L2