

Product datasheet for RC216648L1

MAP4 (NM_030885) Human Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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| | Sgf1 ORF Mlu I GCG ATC GC ATG // NNÑ ACG CGT |
|------------------------------|---|
| | |
| | |
| C C | Cloning sites used for ORF Shuttling: |
| Cloning Scheme: | |
| Restriction Sites: | Sgfl-Mlul |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC216648) |
| E. coli Selection: | Chloramphenicol (34 ug/mL) |
| Vector: | pLenti-C-Myc-DDK (PS100064) |
| Mammalian Cell Selection: | None |
| Symbol: | MAP4 |
| Tag: | Myc-DDK |
| Product Name: | MAP4 (NM_030885) Human Tagged Lenti ORF Clone |
| Product Type: | Expression Plasmids |

GAT CTG GCA GAT AAT GAT ATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TAA ACGGCCGGCC D L A A N D I L D Y K D D D K V stop

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

ACCN: ORF Size: NM_030885 297 bp



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| 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 amour of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at customegauscase 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 throu 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 prevailir variants is recommended prior to use. More infoOTI 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 liqu at the bottom. | | AP4 (NM_030885) Human Tagged Lenti ORF Clone – RC216648L1 |
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| Cytogenetics:3p21.31Domains:tubulin-binding | Locus ID: | 4134 |
| Domains: tubulin-binding | UniProt ID: | <u>P27816</u> |
| | Cytogenetics: | 3p21.31 |
| MW: 10.3 kDa | Domains: | tubulin-binding |
| | MW: | 10.3 kDa |

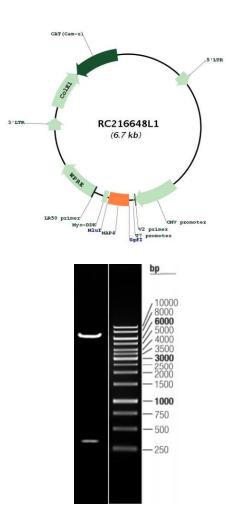
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Scheme MAP4 (NM_030885) Human Tagged Lenti ORF Clone – RC216648L1

Gene Summary:

The protein encoded by this gene is a major non-neuronal microtubule-associated protein. This protein contains a domain similar to the microtubule-binding domains of neuronal microtubule-associated protein (MAP2) and microtubule-associated protein tau (MAPT/TAU). This protein promotes microtubule assembly, and has been shown to counteract destabilization of interphase microtubule catastrophe promotion. Cyclin B was found to interact with this protein, which targets cell division cycle 2 (CDC2) kinase to microtubules. The phosphorylation of this protein affects microtubule properties and cell cycle progression. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]

Product images:



Circular map for RC216648L1

Double digestion of RC216648L1 using Sgfl and Mlul

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