

Product datasheet for SC313916

MAP4 (AK054696) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP4 (AK054696) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAP4
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for AK054696, the custom clone sequence may differ by one or more nucleotides

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ATGTCGCCTCTCAGACAAGCAGACAGCCTCTCTCACTGCCGCTACGGTCAGCTCAGTAAG
GGCAAGCCTGCAGAGTGC CGAATGGACTCCCCAAAAGAAATCAGTCAAGCCGGATT CGAA
TGGCAGAGGACAGAGGGCAAACCTGAATGAAATTTGGGCTGAATGTCAGCATGGACGGGCAA
CCAAAAGATGGGCTTGTGAAGAATGCCAGCTTCTCTGGAGCAGAACAAGCTCTGCTTTTTT
GAGGGGAAGCTAGACAAAGAGCTGAGCATTGAAATGCAGGACAAGGACTGTCAAGAAGCC
TCAGGTCACCTTGAGAGCAGGTATGTGATTTTCAGAGACCTGCCATCCCTTGGAGGGGAAC
TCGGTACACCAGAAGACCTCCGAGTTCCATCTGGGACTCATAGAGGGGCCAGACAAAAC
AAAACCATTCCAGTTTCAGGGGAAGGTGGCAGGGAAGAATGGACTAGAGACCAAGAGCCAG
TCAGATCTGGATTTCCCTGGGGCTGCTGACATCCCTACCAGATATGTTAAGGAGCAGGAA
ACCAGTGTGGAAACCCAGCTTTCATCCAGTGGCTCAAGGCTCTCTGGGCTCAAGGGAA
GCAACTCCGGGAGAGATGGAGAATAGCATCACCCCTGGCTGCCAGTGATTGGGGTGGTA
AATGATAACTCTGAGCAGCTGAAGTGTGAGTCCCCACTCTGGTGTCTCTAGCCACCCA
GCCCCATTATTGAGCATTACCCACCACCATTCCGCAATCACTATGGTGTTCACCCAG
GAACATTTGAATGCAAGCTGTCACATCAGAGACCATGATAAGGAGTTGGAGAAATTGAGT
TCTACCGAGGAGGCTGTGCTCAACCAAGCCCCCAGCAGAAAAAGGCAGTGCGCAGGGCC
CTGTCTGAATGTTCTCACCTCTCAGTTCCCCCAGCTGTCAACCTTGCAGATAAGTACCCT
GAACTCCCTGCCCGAGAAGGCCTTCTTCTGGCCTGCTGCCTCCCCCTAGTAGCCCAATG
CCTAGTCTACACCTGGGAAACTGGGAGCTCCTGCTATGAAGCGCTCCATGACTGTGGGT
GAGGAACAGACAGCTAGCTACAAATTGAGCCCTGGGAAACTGCCCATCTTGTCTACTAAA
GAGATACCTCCTTTCATCTGTGAGGAACCAGTGGCCAAGAAGAGAGAAGAATTGGCTCAC
TTCAGCAACAGCAGCAGCAACTCTGGGAAGAAGGAACTCGGCACTGCTGGATTATATCTC
CATAGTAAGCTGGAGCAGATTCTGAAGGAAGCAGCAAGGAAAAAGGGCAGGAAGATTTT
AGTGAAACTAGAATTGATTCATGCTCGCAGGTTTGCCAGCGAGGAGAGAAACAGCCAGGA
CAGACGGCTCTGGCAGGGAAGAAAGAAATTGAGGTCACTGCAACCCAGAGCACTCCATCG
TTCTGTTTGAAGCCCCACGTGATGGAATAGCCAGGCCAGAAGAAGGAGCCCTGTG
GTGAGTGGGACAGGAAATGACATCACCCCCACCAGCAAGGAGCTCCCAACAGCCCA
GAGAAGAAAACAAAGGTAGGTGCCAGAATGGTGGTTATCTTCTACTGCCATAATTTT

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Restriction Sites:	Please inquire
ACCN:	AK054696



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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>AK054696.1</u> , <u>BAB70795.1</u>
RefSeq Size:	2156 bp
RefSeq ORF:	1620 bp
Locus ID:	4134
Cytogenetics:	3p21.31
Gene Summary:	<p>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]</p>