OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC309337

EML5 (NM_183387) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: EML5 (NM_183387) Human Untagged Clone

Tag: Tag Free

Symbol: EML5

Synonyms: EMAP-2; EMAP-5; FAP16

Vector: pCMV6 series

Fully Sequenced ORF:

>NCBI ORF sequence for NM_183387, the custom clone sequence may differ by one or more nucleotides

ATGGCGGCCCGGAGCGCCCCGAGCTGCCACCTGCGGCTCGAGTGGGTGTACGGCTACCGG
GGCCACCAGTGCCGCAACAACCTCTACTACACTGCGGCCAAGGAGATCGTATACTTCGTG
GCGGGGGTCGGCGTGGTGTACAGCCCGCGGGAGCACAGGCAGAAGTTCTACCGGGGCCAC
AGCGACGACATCATCAGCCTTGCATTGCATCCTGAACGAGTGTTGGTAGCAACAGGACAA
GTTGGGAAAGAGCCTTATATTTGTATTTGGGATTCATACACTGTGCAGACCATATCAGTT
TTAAAGGATGTTCATACACATGGTATAGCTTGCTTGGCGTTTGACTTAGATGGACAGCGC
TTGGTTTCAGTTGGACTTGATTCAAAGAATGCAGTTTGTGTTTGGGACTGGAAAAGGGGA
AAAATGTTGTCTATGGCTCCTGGTCATACAGATAGAATATTTGATATTTCTTGGGATTTG
TACCAGCCAAATAAACTTGTCAGCTGTGGTGTAAAACATATCAAGTTCTGGAGTTTATGT
GGAAATGCTCTGACCCCAAAACGAGGTGTCTTTGGTAAGACGGGTGACCTTCAGACAATA
CTGTGCCTAGCCTGTGCAAGGGATGAATTAACATATTCTGGTGCACTCAATGGGGATATA
TATGTTTGGAAAGGAATCAATCTTATACGAACAATACAAGGAGCCCATGCTGCAGGAATT
TTTAGCATGAATGCTTGTGAAGAAGGCTTTGCTACTGGTGGCAGAGATGGTTGTATTCGT
CTTTGGGATTTAACTTTTAAACCAATTACTGTGATTGATCTCAGGGAAACAGACCAGGGA
TACAAAGGTTTGTCTGTAAGGAGTGTGTGTTGGCGAGGTGACCACATTCTAGTTGGAACA
CAGGACAGTGAAATTTTTGAAATTGTGGTGCAAGAAAGAAATAAACCTTTTCTAATTATG
CAAGGGCATTGTGAAGGTGAACTTTGGGCACTTGCTGTCCATCCTACTAAACCTTTGGCT
GTGACTGGAAGTGATGATCGTTCGGTCAGGATATGGAGCCTAGTAGATCATGCATTAATA
GCAAGGTGTAATATGGAAGAACCAATTCGTTGTGCAGCTGTCAATGCAGATGGAATCCAT
CTTGCCCTTGGAATGAAGGATGGCTCATTCACTGTACTTAGAGTAAGAGATATGACGGAA
GTTGTACATATTAAAGATAGGAAGGAGGCAATTCATGAGTTAAAATATTCACCAGATGGA
ACTTACCTTGCTGTTGGATGCAATGACAGCTCGGTTGATATTTATGGAGTTGCTCAGCGT
TATAAAAAAGTTGGCGAGTGTTTGGGATCCCTTAGTTTCATCACTCATCTGGACTGGTCT
TCAGACAGTAGATATTTGCAGACAAATGATGGAAATGGGAAAAGACTTTTTTATAGAATG
CCAGGAGGAAAGGAAGTGACAAGTACAGAAGAAATAAAAGGTGTTCATTGGGCTTCATGG
ACATGTGTTTCAGGCCTTGAAGTAAATGGAATTTGGCCCAAGTATTCAGATATCAACGAT
ATAAATTCAGTAGATGGAAATTATATTGGCCAAGTTTTAGTTACAGCTGATGACTATGGA
ATTATAAAATTATTCCGATATCCATGTTTAAGAAAAGGGGCCAAGTTTAGAAAATATATT
GGCCATTCAGCTCACGTAACTAATGTCAGATGGTCACATGATTATCAGTGGGTTATTTCT

View online »

ATTGGTGGAGCAGATCACTCTGTCTTTCAGTGGAAATTTATTCCTGAAAGAAAACTGAAA
GATGCTGTTCACATAGCACCCCAAGAAAGTCTGGCTGACTCTCATAGTGATGAATCAGAT
TCAGATCTGTCTGATGTTCCAGAACTGGATTCTGAAATTGAACAAGAGACACAGCTCACC
TACCGTCGACAGGTTTACAAAGAAGATCTACCTCAGCTTAAAGAACAGTGCAAAGAGAAA
CAAAAAAGTGCTACTTCTAAAAGAAGAGAGCGGGCTCCAGGAAATAGTATTCGATTACAC
TTTGTTCACGGTTACAGAGGTTATGACTGTCGAAGTAATCTGTTTTATACTCAAATTGGT
GAAATTGTGTACCATGTGGCAGCAGTGGGTGTCATTTATAATCGACAGCAAAACACACAG
CGTTTTTATCTGGGTCATGATGATGATATTCTCTGCCTAACTATTCATCCTTTGAAAGAC
TACGTGGCAACAGGCCAGGTTGGTAGAGATCCCTCAATTCATATATGGGATACAGAGACC
ATTAAACCATTGTCCATATTAAAGGGCCACCACCAGTATGGTGTTAGTGCCGTTGATTTC
TCAGCGGATGGGAAACGTTTGGCATCAGTTGGCATAGATGATAGCCATACTGTTGTGCTC
TGGGACTGGAAGAAAGGAGAGAAACTTTCAATAGCAAGAGGAAGTAAAGATAAGATTTTT
GTTGTAAAGATGAACCCCTATGTGCCTGATAAACTAATTACAGCTGGAATTAAACACATG
AAATTTTGGCGTAAAGCAGGGGGAGGATTGATTGGAAGAAAAGGCTACATAGGCACACTG
GGGAAAAATGACACAATGATGTGTGCAGTGTATGGATGGACTGAAGAGATGGCTTTTTCT
GGAACATCCACAGGAGATGTGTGTATCTGGAGAGACATCTTTCTTGTAAAAACAGTGAAA
GCGCATGATGGGCCAGTGTTCAGTATGCATGCATTGGAAAAAGGGTTTGTAACTGGAGGA
AAAGATGGTATAGTAGCTCTTTGGGATGACTCTTTTGAAAGATGTCTCAAGACCTATGCT
ATAAAAAGAGCTGCATTGGCCCCAGGATCTAAAGGTCTTCTCTTGGAAGATAATCCATCT
ATACGTGCCATATCATTAGGACATGGTCATATTTTAGTTGGCACAAAGAATGGTGAAATA
CTAGAAGTGGATAAAAGTGGCCCAATAACACTTCTGGTTCAGGGACACATGGAAGGAGAG
GTGTGGGGTTTAGCTACACACCCTTATCTGCCCATCTGTGCTACTGTAAGCGATGATAAA
ACCTTAAGAATATGGGATCTCTCACCTAGTCATTGTATGTTGGCTGTCCGGAAGCTGAAA
AAGGGTGGGAGGTGTTGCTGTTTTTCTCCTGATGGTAAAGCTTTAGCCGTAGGTCTCAAC
GATGGAAGCTTCTTAATGGCAAATGCGGATACTCTAGAGGATCTTGTGTCTTTTCATCAC
AGAAAAGATATGATTTCAGATATTCGATTTTCACCTGGTTCTGGGAAATATCTTGCTGTA
GCATCCCATGACAGCTTTATAGATATATACAATGTAATGAGTAGTAAACGAGTAGGAATA
TGCAAAGGAGCTACCAGTTACATAACCCATATTGATTGGGATATTAGAGGAAAGCTTTTA
CAGGTCAACACTGGTGCTAAGGAACAATTATTCTTTGAAGCTCCCAGAGGGAAAAAACAA
ACCATCCCCAGCGTGGAGGTAGAAAAAATTGCTTGGGCATCATGGACAAGTGTACTTGGT
TTATGCTGTGAAGGAATTTGGCCAGTAATTGGAGAAGTTACAGATGTAACTGCTTCTTGC
CTCACCAGTGACAAAATGGTTCTAGCTACCGGGGACGATTTGGGATTTGTGAAGTTATTT
AGATATCCTACTAAAGGGAAATTTGGAAAGTTTAAGAGGTATGTGGCCCATAGTACACAT
GTCACAAATGTTCGCTGGACTTATGATGACAGCATGTTGGTTACCCTAGGCGGTACAGAT
ATGTCTTTAATGGTGTGGACAAATGAGATGGAAGGCTATCGAGAAAAAAGGCCTTGTGAT
AGTGAAGAATCCGACATTGATTCTGAAGAAGATGGGGGCTATGACAGTGATGTTACAAGG
GAGAATGAAATCAGTTACACCATCAGAGCCTTATCAACAAATATTCGCCCAATGTTAGGA
ATCAAGCCTCATTTACAACAAAAAGAACCCTCAATTGATGAAAGGCAGGGAGTAGTAAGA
GGTTCCAGGCCTCCAGTGAGCAGGGCCCCACCACAGCCAGAGAAACTCCAGACAAACAAT
GTAGGCAAGAAAAAGAGACCTATAGAGGACCTTGTGTTGGAGCTCATTTTTGGTTATCGA
GGCAGAGACTGTAGGAATAATGTTCACTATTTAAATGATGGTGATGATATAATTTATCAC
ACTGCATCTGTTGGAATTCTGCACAATGTTGCTACAGGTTCTCAGAGTTTTTATCAGGAA
CATAATGATGATATTCTGTGCCTCACAGTAAACCAGCACCCCAAATTTATCAACATAGTG
GCAACTGGCCAAGTAGGTGATTCAGCAGACATGTCAGCTACAGCTCCTTCTATTCACATC
TGGGATGCAATGAACAAGCAGACTTTATCTATCCTAAGATGCTACCATTCAAAGGGAGTA
TGTTCAGTCAGCTTCAGTGCTACTGGCAAACTATTGCTGTCTGTGGGACTAGACCCAGAA
CATACTATTACCATTTGGAGATGGCAGGAAGGTGCCAAAATTGCCAGCAGAGCTGGTCAC
AATCAACGTATTTTTGTGGCAGAATTCCGACCAGATTCAGATACCCAGTTTGTCTCAGTG
GGAGTAAAACATGTGAAGTTCTGGACCCTGGCAGGAAGAGCTCTTCTTAGCAAAAAAGGG
CTACTGAGCACACTGGAAGATGCCCGGATGCAGACCATGCTCGCTATTGCATTTGGTGCA
AATAACTTGACGTTTACAGGTACCATCAGTGGTGATGTCTGTGTGTGGAAAGATCACATA
TTGTGTAGAATCGTGGCGAGAGCTCACAACGGGCCTGTGTTTGCCATGTACACCACCCTG

CGAGATGGACTTATCGTGACTGGGGGAAAGGAAAGGCCGTCAAAAGAAGGAGGAGCGGTT
AAACTGTGGGATCAGGAACTGAGGCGGTGCCGTGCCTTCAGGCTTGAGACAGGACAAGCC
ACAGATTGTGTTCGTTCTGTGTGCAGAGGCAAAGGCAAGATCCTTGTTGGGACAAGGAAT
GCTGAAATAATCGAAGTTGGAGAGAAAAATGCAGCTTGTAATATTTTAGTTAACGGTCAT
GTGGATGGGCCAATCTGGGGACTAGCAACACATCCTTCCAGGGATTTTTTCCTTTCTGCT
GCAGAAGATGGGACAGTGAGACTTTGGGATATTGCTGATAAAAAGATGTTAAACAAAGTG
AATTTGGGACATGCTGCTCGTACTGTGTGTTACAGCCCTGAAGGGGACATGGTGGCTATT
GGAATGAAAAATGGAGAATTTATCATTTTACTAGTGAGTTCTCTAAAAATATGGGGAAAG
AAGAGAGACAGGAGATGTGCAATCCATGATATCAGATTTAGTCCGGATTCCCGGTATCTG
GCAGTAGGTTCTAGTGAGAACTCAGTGGATTTTTATGACCTAACGCTGGGCCCCACTCTT
AACAGAATCAGCTACTGCAAAGACATTCCAAGCTTTGTCATTCAAATGGACTTCTCTGCA
GATAGCAGTTATCTCCAGGTCTCTAGTGGCTGCTATAAACGGCATGTCTATGAAGTGCCT
TCAGGAAAACATCTTATGGATCATGCCGCTATTGACAGAATTACTTGGGCTACATGGACT
AGTATTCTAGGAGATGAGGTTTTGGGAATCTGGTCCAGACATGCTGAGAAAGCTGATGTC
AACTGTGCCTGTGTATCTCATTCAGGAATCAGTCTTGTTACAGGAGATGACTTTGGCATG
GTTAAGTTATTTGACTTCCCATGTCCAGAAAAATTTGCAAAACACAAAAGGTTCTTGGGT
CATTCGCCCCATGTGACAAATATTCGATTTACCAGTGGTGATCGACATGTTGTTAGTGCT
GGAGGTGATGACTGCAGCTTATTTGTCTGGAAATGTGTACATACACCTCACTGA

Restriction Sites: Please inquire

ACCN: NM_183387

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:
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: NM_183387.1, NP_899243.1

RefSeq Size: 7091 bp

RefSeq ORF: 5934 bp

Locus ID: 161436

UniProt ID: Q05BV3

Cytogenetics: 14q31.3

Gene Summary: May modify the assembly dynamics of microtubules, such that microtubules are slightly longer, but more dynamic.[UniProtKB/Swiss-Prot Function]