

Product datasheet for **SC100973**

EML3 (NM_153265) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EML3 (NM_153265) Human Untagged Clone
Tag:	Tag Free
Symbol:	EML3
Synonyms:	ELP95; EMAP3; EMAP95
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC100973 sequence for NM_153265 edited (data generated by NextGen Sequencing)

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ATGGACGGGGCCGCGGGCCCGGTGACGGCCCTGCTCGGGAGGCCCTCCAGTCTCTGAGC
CAGCGGCTTCGGGTGCAGGAGCAGGAGATGGAAGTGGTAAAGGCAGCCCTGGCAGAAGCC
CTTCGCCTGCTGCGGCTGCAGGTGCCCTTCTCCCTGCAGGGCTCTGGCACACCAGCT
CCTCCGGGGACAGTCTTGACAGCCCCCAGGACTGCCACCCACGTGCACCCCTTCTTTG
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GGCCTGAGCAATGGACCCCAAGCCCTCAGGGGGCCAGCGAAGAGCCTAGCGGGACCCAA
TCTGAAGGAGGGGACAGCAGCAGTGGTGTGCTGCCCTGGCCCCCGGGGATCCTC
AGGCCCTTGACAGCCCCACAGCGTGTGACACGCCGGAAGAAATTTCTCCTCCTCTCA
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TTAGTGCGGTCCGGGAGCACAGAGACCGTGGGGGAAAAGACCCCTCTCCAGCCCTGGG
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CGAGGGGCCCCCAATTACCATGTACATCCCGTCTGGCATCCGCAGCCTTGAGGAGTGCCG
AGTGGCCACCGCAGAGACCCTCAGCCTTGACTGGGTTTATGGGTACAGGGGTCTGTGAC
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TACCGGGGACACAGACTGCGTTCGATGCCTTGTGTTACCCCTGATGGTGTTCGGGTA
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Clone variation with respect to NM_153265.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_153265 unedited
 GGGGGNNNGGGGGGANNNNNTNNNTTTNNNNNNNTTTATTTCCCCCGCCCGTTGNCGC
 AAAGGGCGGTAGGCGTGTACGGTGGGAGTCTATATAAGCAGNACTCATTTAGGTGACAC
 TATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCGAATTCGGCACGAGGGCCACC
 CCACCCCGGGAGCCGAGAGCGGCCCGGGAGAGTCCGAGGGCCCGGGGGGTCTGGACA
 CTGCGGCCCGGGCCACAGCGCCCCCTCCAGGCCCTTCCCCGCGCCGACAGCGCCCC
 CTCGGGGTGGTGTACGGCGCCCTTCGCGCGCGCCCGGGGTGCTTCCCTTCCCTCTC
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 CTCTGAGCCAGCGGCTTCGGGTGCAGGAGCAGGAGATGGAAGTAAAGGCAGCCCTGG
 CAGAAGCCCTTCGCTGCTGCGGTGCAGGTGCCCCCTTCTCCCTGCAGGGCTCTGGCA
 CACCAGTCTCCGGGGACAGTCTTGACGCCCCCAGGACTGCCACCCACGTGCACCC
 CTTCTTGGTGAGCCGAGGCACCCAGACGAGACAGAGTGGAGCTCAAGTCATCCCTG
 GACCCCTGGCTGAGCAATGGACCCCAAGCCCTCAGNGGCCAGCGAAGAGCCTAGCG
 GGACCAATCTGAAAGGAGGGGGCAGCAGCAGCAGTGGTCTGGCTCCCTGGCCCCGG
 NNGATCCTCAGCCCTTGACGCCCCACAGCGTGTGACACGCCGGAAGAAAATNNCTNC
 TNCTCCTCATCCCCCTCAGAGCGCCTCCGCAGAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_153265 unedited
 CTGCTCTGGTCTCTAGTCCAGACGGAGTACTTAATACTAGTGTGCTGACAGCGGCGCTG
 CTCGTATCTGCGCCCTCAGGTAATAATGCGCGATCGGAATGTCTGAAGTCAGTCCAGG
 AAAGAGTCTGCCCTAGTCGTGGGGATTGGGCCAGGGAAGGGCAGGGCGGGCGGGTGT
 CTCTGCCCGCGGCCAGTCCGTCCCGCCAGGCAGCGATCAAACGTCGAGGAGGAGGCGG
 GGGACAGGGAGGGGGTTGAGAGGGCGTGGCGGGCTCAGGACCCATGCCCCAAGTCGAT
 GACTCTACACTGGACGATGCTGGCGTCGATGCCATACAGCGTGACTAGGTGCGAGTCCAC
 CCGCTTGAATCGGACGCCGGACATGTTGATACCGCTGCCTCTGTACATGCGGCTGGACGT
 CTTGGCAGGACACAGGTACTGGAAGTTATGCACTTGGCAGAAATAGGCTGACAGCAA
 ATGCACGTCGCTCCCTCGGAGAGCAACACAGGGAGCAGGGTAAGACCCATGAGAGCCGG
 TTGGACTGTGCGAGTGGACGGGAGAGCCCAACATTAAGTCTTTGCTGCCCATGTACCGT
 ACTGGCTCTCAGGAAGATGATCAGCTCCTGGGATGGTAAAAACCCCTCCAGTTAGAA
 GATCTTATCCGAAGATGGGGTGTGAAGAAAAAGGCAAGCCTGGGACCTTGGGCCAGGT
 TGAGGAACCTGGTTTGAACCATCCCCGATCAAACTGATTGTTATGGAACACTTAATGG
 CAAACCTTTAAATTTGGTCACGCTGGCCAGCGCTCAAAAGTCGGAGTGCAACTGATTG
 GGCCTGACAATGGACAT

Restriction Sites:

NotI-NotI

ACCN:

NM_153265

Insert Size:

4000 bp

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).

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_153265.1, NP_694997.1</u>
RefSeq Size:	2820 bp
RefSeq ORF:	2670 bp
Locus ID:	256364
UniProt ID:	<u>Q32P44</u>
Cytogenetics:	11q12.3
Domains:	WD40, HELP
Gene Summary:	May modify the assembly dynamics of microtubules, such that microtubules are slightly longer, but more dynamic.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) uses an alternate in-frame splice junction at the 5' end of an exon and differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (3) lacks a single alternate aa and has a shorter and distinct C-terminus compared to isoform 1.