

Product datasheet for **SC301348**

EML1 (NM_001008707) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EML1 (NM_001008707) Human Untagged Clone
Tag:	Tag Free
Symbol:	EML1
Synonyms:	BH; ELP79; EMAP; EMAP-1; EMAPL
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001008707, the custom clone sequence may differ by one or more nucleotides

```

ATGGAGGACGGCTTCTCCAGCTACAGCAGCCTGTACGACACGTCCTCGTGCTCCAGTTC
TGCAACGATGACAGCGCTTCTGCTGCAAGTAGCATGGAGGTGACAGACCGCATTGCTTCA
CTGGAGCAGAGAGTCCAGATGCAAGAAGACGACATCCAGCTGCTCAAATCAGCTCTAGCT
GATGTGGTTCGGCGGCTGAACATTACTGAGGAACAGCAGGCCGTGCTTAACAGGAAAGGA
CCTACCAAGCAAGACCACTGATGCAGACCCCTGCCTTTAAGAACCACGGTCAACAATGGC
ACTGTGTTACCAAGAAACCTACTGGCTCTCTACCATCCCCCTCCGGGGTCAGGAAAGAA
ACTGCTGTGCCAGCAACCAAAAGATTAAACAGATCTGTGAGTCTTCTCAATGCTTGCAAA
CTGAATAGATCGACACCAAGTAACATCAAGAGGACCAGCTCTTCTGAACGAGTGTCTCT
GGGGGTCGAAGGGAAGCAATGGGGATTCCAGAGGAAACCGGAATCGCACAGGCTCCACC
AGCAGCTCTTCCAGTGGCAAAAAGAACAGTGAAAGCAAACCAAGGAGCCTGTATTAGT
GCAGAAGAAGGCTATGTAAAAATGTTTCTTCTGAGGACGCCCTGTACCATGTACATGCC
AAAGATCAAGTGGATTCTTACAGCTTGAAGCAAAAGTAGAACTTCAACCAAGAGACTC
AAGCTGGAATGGGTCTATGGGTACAGGGTTCGAGACTGCCGTAAACACCTGTACTTGCTT
CCGACGGGAGAGACCGTCTACTTCATCGCATCCGTGGTGGTGTTATACAACGTGGAGGAG
CAACTGCAGAGGCATTACGCTGGCCACAACGATGACGTGAAGTGCTAGCAGTTCATCCT
GATCGGATCACGATAGCAACAGGACAAGTTGCGGGCACATCGAAGGATGGAAAACAATTG
CCCCACATGTGCGCATCTGGGATTCTGTGACATTGAATACTCTCCACGTCATTGGAATA
GGTTTTTTTGACCGAGCAGTCACCTGTATTGCATTCTCAAAATCTAATGGAGGAACCAAT
CTCTGTGCTGTGGATGACTCCAACGACCATGTGCTCTCTGTATGGGACTGGCAGAAAGAA
GAAAACTAGCAGATGTGAAGTGCTCTAATGAAGCTGTGTTTGTGCGGATTTCCACCCC
ACGGACACCAACATCATAGTTACTTGTGAAAAATCACATCTCTACTTTTGGACACTAGAA
GGAAGCTCCCTTAATAAGAAGCAAGGATTATTCGAGAAACAAGAAAAGCCAAAGTTTGTC
CTCTGTGTGACTTCTCTGAAAACGGTGACACCATTACTGGAGATTCAAGTGGAACATC
TTAGTATGGGAAAAGGTACAAATCGAATAAGCTATGCAGTTCAGGGGGCCCATGAGGGT
GGCATTTTTGCACTTTGTATGTTAAGAGATGGCACACTGGTGTGCGGAGGTGGGAAAGAC
CGAAAGCTCATTTCTTGGAGCGGAACTATCAAAACTTCGTAACCGGAGATTCCAGAA
CAGTTTGGTCCAATACGGACAGTGGCCGAGGGGAAAGGCGATGTGATCTTGATTGGCACA
ACTCGAACTTTGTCTGCAGGGCACTCTGTGAGGGGACTTCACACCCATTACTCAGGGT
CACACTGATGAGCTCTGGGACTGGCCATCCATGCCTCAAAATCTCAGTTCCTTGACCTGT
GGGCATGACAAGCATGCCACTCTCTGGGACGCTGTGGGTACCGTCCCGTCTGGGACAAA
ATAATAGAGGATCCAGCTCAGTCTTCTGTTTTTCATCCTTCAGGGTCTGTGGTTGCAGTC
GGAACACTCACTGGGAGGTGGTTTTGTGTTTGACACAGAAACAAAAGACTTGGTCACCGTT
CACACAGATGGAACGAACAGCTCTCTGTAATGCGATACTCACCAGATGGGAATTTCTTA
GCCATAGGCTCACATGACAACTGCATCTATATATATGGCGTTAGTGACAACGGGAGGAAG
TACACGCGAGTGGGCAAGTGCTCGGGTCATTCCAGCTTCATTACTCACCTGGACTGGTCT
GTAAACTCACAGTTCTCTGTGCAAAATCCGGAGACTACGAAATCCTCTACTGGGTTCCC
TCTGCCTGTAAGCAAGTCGTAAGTGTGGAACACTACAAGAGACATTGAATGGGCTACCTAT
ACCTGCACCTTTGGGATTCCATGTTTTTGGAGTGTGGCCAGAAGGCTCGGACGGAACCGAC
ATCAATGCCGTCTGTGCGGCCCATGAGAAGAACTCCTGTCAACAGGCGACGACTTTGGC
AAAGTGCACCTCTTCTCATACCCCTGCTCGCAGTTCAGGGCTCCAAGCCACATCTACGGC
GGGCACAGCAGCCATGTCACCAATGTCGATTTCTCTGTGAAGACAGCCACCTCATCTCC
ACGGGCGGGAAGACACAAGCATCATGCAGTGGCGCGTCATTTAG

```

Restriction Sites: Please inquire
ACCN: NM_001008707

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:	<u>NM_001008707.1, NP_001008707.1</u>
RefSeq Size:	4536 bp
RefSeq ORF:	2505 bp
Locus ID:	2009
UniProt ID:	<u>O00423</u>
Cytogenetics:	14q32.2
Gene Summary:	Human echinoderm microtubule-associated protein-like is a strong candidate for the Usher syndrome type 1A gene. Usher syndromes (USHs) are a group of genetic disorders consisting of congenital deafness, retinitis pigmentosa, and vestibular dysfunction of variable onset and severity depending on the genetic type. The disease process in USHs involves the entire brain and is not limited to the posterior fossa or auditory and visual systems. The USHs are categorized as type I (USH1A, USH1B, USH1C, USH1D, USH1E and USH1F), type II (USH2A and USH2B) and type III (USH3). The type I is the most severe form. Gene loci responsible for these three types are all mapped. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).