

Product datasheet for RC227347

EML6 (NM_001039753) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	EML6
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PSI00001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC227347 representing NM_001039753
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

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GCCGCAACAACCTGTACTACACGGCAGGCAAGGAGGTGGTCTACTTTGTGGCTGGGGTCGGGTGGTTTA
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Protein Sequence:

>RC227347 representing NM_001039753

Red=Cloning site Green=Tags(s)

MADRTAPRCQLRLWVYGYRGHCRRNNLYYTAGKEVVYFVAGVGVVYNTREHSQKFFLGHNDIISLALH
 PDKTLVATGQVGKEPYICIWDSYNNVQTVSLLKDVHTHGVACLAFFSDGQRLASVGLDAKNTVCIWDWRKG
 KLLASATGHSRIFDISWDPYQPNRVVSCGVKHKIFWTLGCGNALTAKRGIFGKTGDLQTLCLACAKEDI
 TYSALNGDIYVWGLNLVRTIQGAHSAGIFSMYACEEGFATGGRDGCIRLWDTDFKPITKIDLRTEQGG
 YKGLSIRSVCKWADRLLAGTQDSEIFEVIVRERDKPMLILQGHCEGELWALALHPKKPLAVTGSDDRSVR
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 SVEERPPVSRAAPQPEKLQKNNITKKKKLVEELALDHVFGYRGFDCRNNLHYLNDGADIIFHTAAAGIVQ
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 LIDGHMEGEIWGLATHPSKDLFISASNDGTARIWDLADKLLNKVSLGHAARCAAYSPDGEMVAIGMKNG
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 MDFSADGKIYQVSTGAYKRQVHEVPLGKQVTEAVVIEKITWASWTSVLGDEVIGIWRNADKADVNCACV
 THAGLNIIVTGGDFGLVKLFDPFCTEKFAHKRYFGHSAHVTNIRFSYDDKYVVSTGGDDCSVFWRCL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8032_d08.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001039753

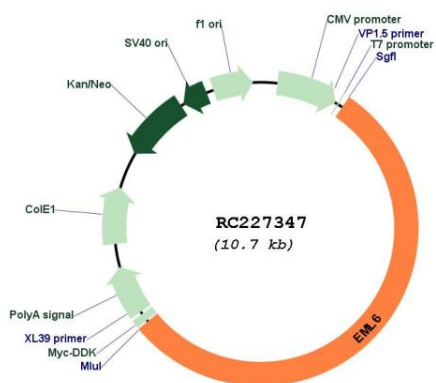
ORF Size: 5874 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts 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 amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com 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 through 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 prevailing variants is recommended prior to use. [More info](#)

OTI 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 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001039753.2</u> , <u>NP_001034842.2</u>
RefSeq ORF:	5877 bp
Locus ID:	400954
UniProt ID:	<u>Q6ZMW3</u>
Cytogenetics:	2p16.1
MW:	217.7 kDa
Gene Summary:	May modify the assembly dynamics of microtubules, such that microtubules are slightly longer, but more dynamic.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC227347