

Product datasheet for RC223070

EML5 (NM_183387) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EML5 (NM_183387) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EML5
Synonyms:	EMAP-2; EMAP-5; FAP16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC223070 representing NM_183387 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>RC223070 representing NM_183387

Red=Cloning site Green=Tags(s)

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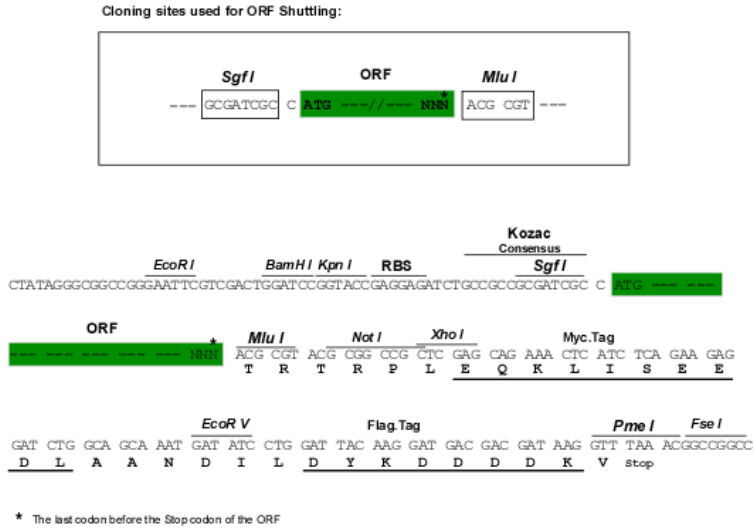
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8046_c08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_183387

ORF Size: 5931 bp

OTI Disclaimer: 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.

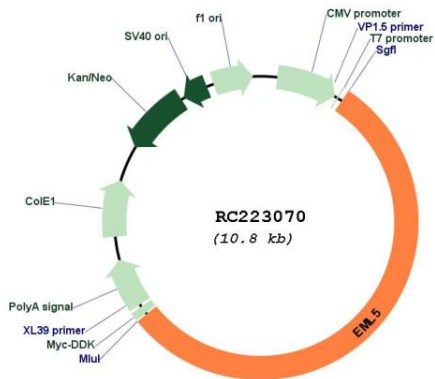
RefSeq: [NM_183387.3](#)

RefSeq Size: 7091 bp

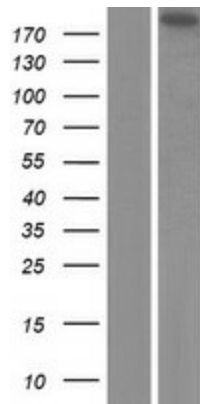
RefSeq ORF: 5934 bp

Locus ID: 161436

UniProt ID: [Q05BV3](#)
Cytogenetics: 14q31.3
MW: 220.1 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 RC223070



Western blot validation of overexpression lysate (Cat# [LY405264]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223070 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).