

Product datasheet for RC232180

MEPCE (NM_001194991) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MEPCE (NM_001194991) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MEPCE
Synonyms:	BCDIN3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC232180 representing NM_001194991 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGCCTGGATATCGATTCCCGGCTCATCCATTCTGCCCGCCAAAACATCCGACACTACCTTTCCG
AGGAGCTGCGTCTCCCACCCAGACTTTGGAAGGGGACCCGGGGCAGAGGGTGAGGAAGGGACCACCAC
CGTTCGAAAGAGGAGCTGCTTCCAGCCTCGCTGACTGCCAGCCGGGGTCCCATCGCTGCCCCCAAGT
CCCTTGGATGGAGCGGACACATCAGTCTCCCCAACAAATGTTGTCTTCGTACGGGTAATTATGTGCTGG
ATCGAGATGACCTGGTGGAGGCCAAACACCTGAGTATGATGTGGTGCTCTGCCTCAGCCTACCAAGTG
GGTGCATCTGAACTGGGAGACGAGGGCCTGAAGCGCATGTTTCGCCGGATCTACCGGCACCTACGCCCT
GGGGGCATCCTGGTCCTAGAGCCCCAACCTGGTCGTGATGGCAAGAGAAAGACTCTTACAGAAACGA
TCTACAAGAACTACTACCGAATCCAATTGAAGCCAGAGCAGTTTCAGTTCCTACCTGACATCCCCAGACGT
GGGCTTCTCCAGCTATGAGCTTGTGGCCACCCCAACACCTCTAAAGGCTTCCAGCGTCTGTGTAC
CTGTTCCACAAGGCCGATCCCCAGCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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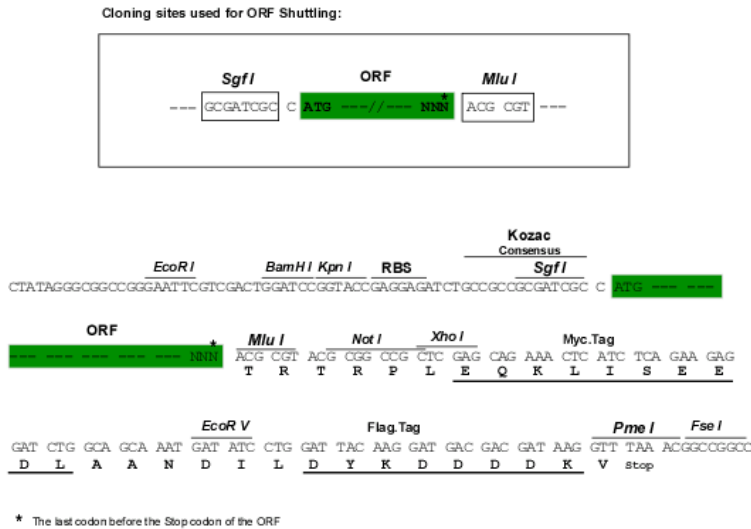
Protein Sequence: >RC232180 representing NM_001194991
 Red=Cloning site Green=Tags(s)

MVGLDIDSRLIHSARQNI RHYLSEELRLPPQTLEGDPGAE GEEGTTTVRK RSCFPASLTASRGPIAAPQV
 PLDGADTSVFPNNVVFVTGNYVLD RDDLVEAQTPEYDVVLC LSLTKWVHLNWD EGLKRMFRRIYRHLRP
 GGILVLEPQPWSSYGKRKTLTETIYKNYRIQLKPEQFSSYL TSPDVGFSSYELVATPHNTSKGFQRPVY
 LFHKARSPSH

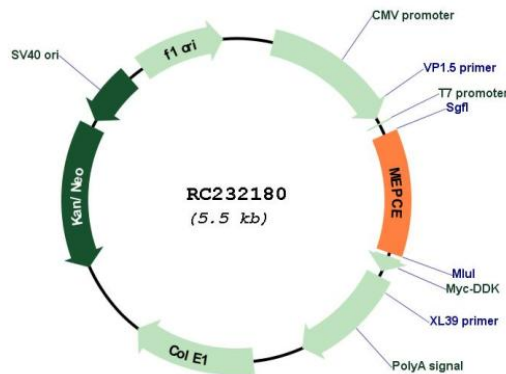
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001194991

ORF Size: 660 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:	<ol style="list-style-type: none">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_001194991.2
RefSeq Size:	1899 bp
RefSeq ORF:	663 bp
Locus ID:	56257
UniProt ID:	Q7L2I0
Cytogenetics:	7q22.1
Protein Families:	Druggable Genome
MW:	25.4 kDa
Gene Summary:	S-adenosyl-L-methionine-dependent methyltransferase that adds a methylphosphate cap at the 5'-end of 7SK snRNA, leading to stabilize it.[UniProtKB/Swiss-Prot Function]