

Product datasheet for **RC230779**

MEPCE (NM_001194990) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MEPCE (NM_001194990) 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



[View online »](#)

ORF Nucleotide
Sequence:

>RC230779 representing NM_001194990
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATCGAGATGGCGCGGAGAAGGAGCCGTTTCTGGTGCCGGCCCCGCCGCCGCTCAAAGATGAGT
CGGGCGGAGGGGGCGGCCACCGGTGCCACCGCACCAAGAGGCCGCTCTGGGGAGCTCCGCGCGGGAC
GGAGCGTGGTCCGGTCTGTGCGGCCATCTGCGGGTCCCCAGCCGCTGCGGTCCGGTGGGAAAGCCCC
GGGGCCGCGGCCACCTCCTCCAGTGGTCCCCAGGCGCAGCAGCACCGAGGGGGCGGCCCCAGGCGCAGT
CGCATGGGGAGGCCGCTGTGGATCCCCGGGGCGAGCCGCTCCCCGGACGTGGGGAGGAGCGCCG
GGGAGGGGGCGGGACAGAGCTGGGTCCCCCTGCTCCTCTCGACCCCGCAATGGCTATCAGCCCCACCGG
CCACCTGGGGGGGGCGGGGCAAGAGGAGAAATAGCTGTAATGTAGGGGGAGGCGGGGGAGGCTTCAAAC
ATCCGGCCTTCAAGAGGCGCAGGCGGGTGAATTCGGACTGTGACTCTGTGTTACCCTCCAATTCCTCCT
GGGGGCAATATCTTTGATCCCCGAACCTGAATAGCCTCCTGGATGAGGAAGTGAGCCGCACTCTCAAC
GCGGAGACCCCTAAGTCATCCCCCTTCCGGCCAAAGGGCGAGATCCGGTGGAGATCCTCATCCCCAAAG
ATATTACTGACCCGCTCAGTCTCAATACTTGCCTGATGAGGGCCATGTAGTTCTTGGCTTCGCCACTCAA
GACTGGTCCGAAGCGGCATAGACACCGGGGACAGCACCACCAGCAGCAGCAGGACGCCGGAGGGAGTGAG
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AGTGGTGTCTCCCTTCCATCTGCTCTGACGGTCCCTCAGGCTCCCTATCAGCCCTCCAGTGCCTCA
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TACTATGGGTACCGCAATCCTTCTGTGAGGATGGGCGCCTTCGGGTGTTGAAGCCTGAGTGGTTTCGGG
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GAAACGATCTACAAGAACTACTACCAATCCAATTGAAGCCAGAGCAGTTTCACTTCTACCTGACATCCC
CAGACGTGGGCTTCTCCAGCTATGAGCTTGTGGCCACACCCACACACCTCTAAAGGCTTCCAGCGTCC
TGTGTACCTGTTCCAAAGGCCGATCCCCAGCCAC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC230779 representing NM_001194990
 Red=Cloning site Green=Tags(s)

MIEMAAEKEPFLVPAPPPLKDESGGGGPTVPPHQEAASGELRGGTERGPGRCAPSAGSPAAAVGRES
 GAAATSSSGPQAQHRGGGPQAQSHGEARLSDPPGRAAPPDVGEERRGGGTELGPAPPRPRNGYQPHR
 PPGGGGKRRNSCNVGGGGGFKHPAFKRRRRVNSDCDSVLP SNFLLGGNIFDPLNLNSLLDEEVSR
 TLNAETPKSSPLPAKGRDPVEILIPKIDITDPLSLNTCTDEGHVVLASPLKTGRKRHRHRGQHHQ
 QQAAGGSE SHPVPPTAPLTPLLHGEGASQQPRHRGQNRDAPQPYELNTA INCRDEVVSP
 LPSALQGPSGLSAPPAAS VLSAPPSSSRHRKRRRTSSKSEAGARGGGQGSKEKGRGSWGRH
 HHHPLPAAGFKKQQRKFQYGYNYCK YYGYRNPSCEDGRLRVLKPEWFRGRDVL
 DLGCNVGHLTL SIACKWGPSRMVGLDIDSRLIHSARQNI
 RHYLSEELRLPPQTL
 EGDPGAEGEETT
 VRKRSCFPASLTASRGPIAAPQVPLDGADTSVFPNNV
 VFTGNYVLD
 RDDDLVEAQTPEYDV
 VLC SLTKWHLNWGDEGLKRMFRRIYRHLRPGGILVLEPQ
 PWSYGRKRTL
 ETIYKNYRIQLKPEQFSSYLTPDVGFSSYELVATPHNTSKGFQRPVYLFHKARSPSH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

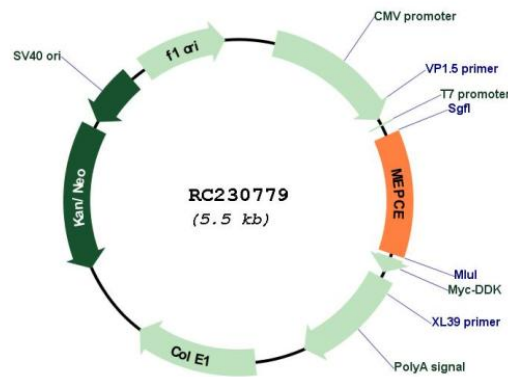
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001194990

ORF Size: 2070 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_001194990.1](#), [NP_001181919.1](#)

RefSeq Size: 2314 bp

RefSeq ORF:	663 bp
Locus ID:	56257
UniProt ID:	Q7L2J0
Cytogenetics:	7q22.1
Protein Families:	Druggable Genome
MW:	74.4 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]