

Product datasheet for **RG200948**

MEPCE (NM_019606) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MEPCE (NM_019606) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MEPCE
Synonyms:	BCDIN3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RG200948 representing NM_019606
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATCGAGATGGCGCGGAGAAGGAGCCGTTTCTGGTCCGGCCCCGCCGCCGCTCAAAGATGAGT
CGGGCGAGGGGGCGGCCACCGGTGCCACCGCAACAAGAGGCCCTCTGGGGAGCTCCGCGCGGGAC
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GGGGCCGCGGCCACCTCCTCCAGTGGTCCCCAGGCGCAGCAGCACCGAGGGGGCGGCCCCAGGCGCAGT
CGCATGGGGAGGCCGCTGTGGATCCCCGGGGCGAGCCGCTCCCCGGACGTGGGGAGGAGCGCCG
GGGAGGGGGCGGGACAGAGCTGGGTCCCCCTGCTCCTCTCGACCCCGCAATGGCTATCAGCCCCACCG
CCACTGGGGGGCGGGGCAAGAGGAGAAATAGCTGTAATGTAGGGGGAGGCGGGGGAGGCTTCAAAC
ATCCGGCCTTCAAGAGGCGCAGGCGGGTGAATTCGGACTGTGACTCTGTGTTACCCTCCAATCCTCCT
GGGGGCAATATCTTTGATCCCCGAACCTGAATAGCCTCCTGGATGAGGAAGTGAGCCGCACTCTCAAC
GCGGAGACCCCTAAGTCATCCCCCTTCCGGCCAAAGGGCGAGATCCGGTGGAGATCCTCATCCCCAAAG
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CCAAGTGCCTTGGATGGAGCGGACACATCAGTCTTCCCAACAATGTTGTCTTCGTACCGGTAATTAT
GTGCTGGATCGAGATGACCTGGTGGAGGCCAAACACCTGAGTATGATGTGGTGTCTGCCTCAGCCTCA
CCAAGTGGGTGCATCTGAACTGGGGAGACGAGGGCCTGAAGCGCATGTTTCGCCGGATCTACCGGCACCT
ACGCCCTGGGGGATCCTGGTCTAGAGCCCCAACCTGGTCTGTCGTATGGCAAGAGAAAGACTCTTACA
GAAACGATCTACAAGAACTACTACCAATCCAATTGAAGCCAGAGCAGTTTCACTTCTACCTGACATCCC
CAGACGTGGGCTTCTCCAGCTATGAGCTTGTGGCCACACCCCAACACCTCTAAAGGCTTCCAGCGTCC
TGTGTACCTGTTCCAAAGGCCGATCCCCAGCCAC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200948 representing NM_019606
 Red=Cloning site Green=Tags(s)

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MIEMAAEKPFLLVPAPPPLKDESGGGGGPTVPPHQEAASGELRGGTERGPGRCAPSAGSPAAAVGRES
GAAATSSSGPQAQQHRGGGPQAQSHGEARLSDPPGRAAPPDVGEERRGGGTELGPAPPRRNGYQPHR
PPGGGGKKRRNSCNVGGGGGFKHPAFKRRRRVNSDCDSVLP SNFLLGGNIFDPLNLNSLLDEEVSRTLN
AETPKSSPLPAKGRDPVEILIPKIDITDPLSLNTCTDEGHVVLASPLKTGRKRHRHRGQHQQQAAGGSE
SHPVPPTAPLTPLLHGEGASQQPRHRGQNRDAPQPYELNTA INCRDEVVSPALQGPSGLSAPPAAS
VISAPSSSSSRHRKRRRTSSKSEAGARGGGQGSKEKGRGSWGRHHHHHPLPAAGFKKQQRKFQYGN YCK
YYGYRNPSCEDGRLRVLKPEWFRGRDVL DLGCVNHLTSLIACKWGPSRMVGLDIDSRLIHSARQNI RHY
LSEELRPPQTEGDPGAEEGEETTTRKRSCFPASLTASRGPIAAPQVPLDGADTSVFPNNVVFVTGN Y
VLDRDDLV EAQTPEYDVVLC LSLTKWVHLNWGDEGLKRMFRRIYRHLRPGGILVLEPQPWSSYGRKRTL T
ETIYKNYRIQLKPEQFSSYL TSPDVGFSSYELVATPHNTSKGFQRPVYLFHKARSPSH
  
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TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_019606

ORF Size: 2067 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_019606.6](#)

RefSeq Size: 2769 bp

RefSeq ORF: 2070 bp

Locus ID: 56257

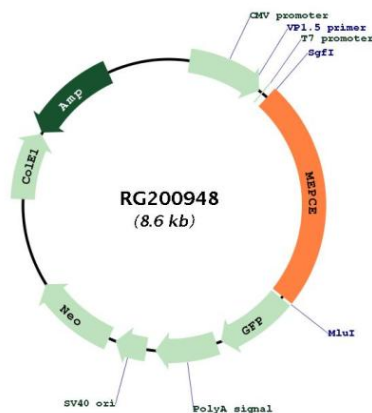
UniProt ID: [Q7L2J0](#)

Cytogenetics: 7q22.1

Protein Families: Druggable Genome

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]

Product images:



Circular map for RG200948