

## Product datasheet for **RG230779**

### MEPCE (NM\_001194990) Human Tagged ORF Clone

#### Product data:

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

>RG230779 representing NM\_001194990  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGATCGAGATGGCGCGGAGAAGGAGCCGTTTCTGGTGCCGGCCCCGCCGCCGCTCAAAGATGAGT  
CGGGCGGAGGGGGCGGCCACCGGTGCCACCGCAACAAGAGGCCCTCTGGGGAGCTCCGCGCGGGAC  
GGAGCGTGGTCCGGTCTGTGCGGCCATCTGCGGGTCCCCAGCCGCTGCGGTCCGGTAAAGCCCC  
GGGGCCGCGGCCACCTCCTCCAGTGGTCCCCAGGCGCAGCAGCACCGAGGGGGCGGCCCCAGGCGCAGT  
CGCATGGGGAGGCCGCTGTGGATCCCCGGGGCGAGCCGCTCCCCGGACGTGGGGAGGAGCGCCG  
GGGAGGGGGCGGACAGAGCTGGGTCCCCCTGCTCCTCTCGACCCCGCAATGGCTATCAGCCCCACCG  
CCACTGGGGGGCGGGGCAAGAGGAGAAATAGCTGTAATGTAGGGGGAGGCGGGGGAGGCTTCAAAC  
ATCCGGCCTTCAAGAGGCGCAGGCGGTGAATTCGGACTGTGACTCTGTGTTACCCTCCAATTCCTCCT  
GGGGGCAATATCTTTGATCCCCGAACCTGAATAGCCTCCTGGATGAGGAAGTGAGCCGCACTCTCAAC  
GCGGAGACCCCTAAGTCATCCCCCTTCCGGCCAAAGGGCGAGATCCGGTGGAGATCCTCATCCCCAAAG  
ATATTACTGACCCGCTCAGTCTCAATACTTGAAGTGTGAGGGCCATGTAGTTCTTGGCTTCGCCACTCAA  
GACTGGTTCGGAAGCGGCATAGACACCGGGGACAGCACCACCAGCAGCAGCAGGACGCCGGAGGGAGT  
AGTCACCCCGTGGCGCCACAGCCCTCTACCCCTTACTCCACGGGGAGGGCGCTCAGCAGCCGCG  
GGCACAGGGGCCAGAACCGGGATGCCCCCAACCTATGAACTCAACACAGCCATCAACTGCAGGGATGA  
AGTGGTGTCTCCCTTCCATCTGCTCTGACGGTCCCTCAGGCTCCCTATCAGCCCTCCAGTGCCTCA  
GTTATCTCTGCACCCCATCTTCTCCTCCCGACATCGAAACGTCGCAGGACTTCAGCAAGTCGGAGG  
CAGGGGTAGGGGTGGAGGCCAGGTTCCAAGGAAAAGGGCCGAGGGAGTTGGGGAGGCCGCCACCACCA  
CCACCACCCACTGCCTGCAGCAGGCTTCAAAAAGCAACAGCGCAAGTTCCAGTATGGGAATTATTGCAAA  
TACTATGGGTACCGCAATCCTTCTGTGAGGATGGGCGCCTTCGGGTGTTGAAGCCTGAGTGGTTTCGGG  
GCCGGGACGTCCTAGATCTGGGCTGCAATGTGGGCCATCTGACCTGAGCATTGCCTGCAAGTGGGGCC  
GTCCCGCATGGTGGCCTGGATATCGATTCCCGGCTCATCCATTCTGCCCGCCAAAACATCCGACTAC  
CTTCCGAGGAGCTGCGTCTCCACCCAGACTTTGGAAGGGGACCCGGGGCAGAGGTGAGGAAGGGA  
CCACCACCGTTCGAAAGAGGAGCTGCTCCAGCCTCGTACTGCCAGCCGGGTCCCATCGTGCCTCC  
CCAAGTGCCTTGGATGGAGCGGACACATCAGTCTTCCCAACAATGTTGTCTTCGTACCGGTAATTAT  
GTGCTGGATCGAGATGACCTGGTGGAGGCCAAACACCTGAGTATGATGTGGTGTCTGCCTCAGCCTCA  
CCAAGTGGGTGCATCTGAACTGGGGAGACGAGGGCCTGAAGCGCATGTTTCGCCGGATCTACCGGCACCT  
ACGCCCTGGGGCATCCTGGTCTAGAGCCCCAACCTGGTCTGTCGTATGGCAAGAGAAAGACTCTTACA  
GAAACGATCTACAAGAACTACTACCAATCCAATTGAAGCCAGAGCAGTTCAAGTCTACCTGACATCCC  
CAGACGTGGGCTTCTCCAGCTATGAGCTTGTGGCCACACCCCAACACCTCTAAAGGCTTCCAGCGTCC  
TGTGTACCTGTTCCACAAGGCCGATCCCCAGCCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG230779 representing NM\_001194990  
 Red=Cloning site Green=Tags(s)

MIEMAAEKPFLLVPAPPPPLKDESGGGGGPTVPPHQEAASGELRGGTERGPGRCAPSAGSPAAAVGRES  
 GAAATSSSGPQAQHRGGGPQAQSHGEARLSDPPGRAAPPDVGEERRGGGTELGPAPPRPRNGYQPHR  
 PPGGGGGKRRNSCNVGGGGGFKHPAFKRRRRVNSDCDSVLP SNFLLGGNIFDPLNLNSLLDEEVSRTL  
 AETPKSSPLPAKGRDPVEILIPKIDITDPLSLNTCTDEGHVVLASPLKTGRKRHRHRGQHHQQQAAGGSE  
 SHPVPTAPLTPLLHGEGASQQPRHRGQNRDAPQPYELNTA INCRDEVVSP LPSALQGPGSL SAPPAA  
 V I SAPPSSSRHRKRRRTSSKSEAGARGGGQGSKEKGRGSWGRRHHHHP LPAAGFKKQQRKFQYGN  
 YGYRNPSCEDGRLRVLKPEWFRGRDVL DLGCVNGLT LSIACKWGPSRMVGLDIDSRLIHSARQIRHY  
 LSEELRLPPQTL EGPAGEEGE TTVRKRSCFPASL TASRGP I AAPQVPLDGADTSVFPNNVVFVTGNY  
 VLDRDDLVEAQTPEYDVVLC LSLTKWHLNWGDEGLKRMFRRIYRHLRPGGILVLEPQPWSSYGKRKLT  
 ETIYKNYRIQLKPEQFSSYL TSPDVGFSSYELVATPHNTSKGFQRPVYLFHKARSPSH

TRTRPLE - GFP Tag - V

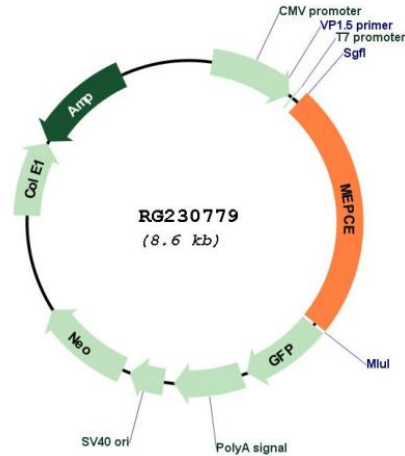
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**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:	<a href="#">Q7L2J0</a>
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]