

Product datasheet for **MG209881**

Mepce (NM_144913) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mepce (NM_144913) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mepce
Synonyms:	Bcdin3; D5Wsu46e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MG209881 representing NM_144913
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGATCGAGATGGCGCGGAGAAGGAGCCCTTTCTGGTCCGGCCCCCGCCCGCCGCTCAAAGATGAGT
 CGGGCGAGGGGGCGGCCCGAGGTGCAATCGCACCAAGAGGCTGCCTCCGGGGAGCTCCGTGATGGGAC
 AGAACACGGGCGGGCCCTCGCGCGCACTCGGCCGGGGCCGACGACGAGGGGGCGGCCCGAGGCA
 CAGGCGCACGGGGAGCCCCACGGGCGAGCCGCCCTCTCGGACGTGGGGGAGGAGCGCCGGGAGGGG
 GCGGGACGGACCTGGGTCCCCAGCCCCCTCTCGACCTCGCAATGGCTACCAGCCCCACCGACCCCTGG
 GGGTGGTGGGGCAAAAGAAGAAATAGCTGTAACTGGGGGAGGGAGCGGTGGAAGCTTCAAACATCCG
 GCCTTCAAGAGGCGCGGCGAGTGAATTCGACTGCGACTCTGTGTTACCATCCAATTTCTTCTGGGGG
 GTAACATATTTGATCCACTGAACCTGAATAGCCTCCTGGATGAGGAAGTGAAGTCGCGCACTAATGCGGA
 GACCCCAAAGTCATCCCACTTCGGCCAAGGGCGAGACCCTGTGGAGATCCTCATCCCAAAGATATC
 ACTGACCCGCTCAGTCTCAACACTTGCACTGACGAGGCCATGTAGTGCTTGCCCTCACCCTCAAGATTG
 GTCGCAAGCGCCATAGACACCGGGGACCGACCCAGCAGCAGCAGGCGTCTGGAGGGAATGATAGCAA
 CGCCGCCGTGCTGCCACTGACCTCTCACGCCCTCACTCCATGGGGAGGGTGCTACGCAGCAGCAGCAA
 AACAGAGGCCAGAACCGTGATGCCCTCAACCCATGAACCAACACAGCCATCAACTGCAGGGATGAAG
 TTGTGTCTCCCTTCCATCTGCCTGCAGGGTTCTCAGGCTCCCTTTCTGCCCTCCAGCTGCCTCAGT
 TACCTCTGCACCTCTACTTCTTCTCTCCGACATCGAAACGTCGAGGACTTCCAGCAAGTCAGAG
 GCAGGGGCTAGGGGTGGAAGCCAGGGTTCAAGGAAAAGGGCAGAGGGAGTGGAGGAGGCCGTACCACC
 ACCACCCACTACCTGCAACTGGCTTCAAAAAGCAACAGCTAAAGTTCCAATATGGGAATTACTGCAAGTA
 CTATGGCTATCGCAATCCTTCTGTGAGGATGTGCGCCTTAGGGTGTTGAAGCCCGAGTGTTTCAAGGC
 CGGGACGTCTAGATCTGGGCTGCAACGTTGGCCATCTGACCCTAAGTATTGCCTGCAAGTGGGGCCAG
 CCCGCATGGTGGGGCTGGACATTGATCCACGGCTTATCCACTCTGCTCGCCAAAATATCCGACACTACCT
 GTCGGAGGAGCTTCGTCTCAAGCTCAGACTTCTGAGGGGACCCAGGGACAGAGGGGAGGAAGGGACT
 ATCACTGTCCGAAAAGGAGCTGCTTCCAGCCTCACTGACAGCCAGCCGGGTCCCATCGCTGCACCCC
 AAGTGCCCTTGGATGGAGCGGACACATCTGTCTCCCAACAATGTCGTCTTCGTACGGGTAACATATGT
 CCTGGACCGAGATGAGCTGGTGGATGCCAAAGACCGGAGTATGATGTGGTGCTGTGCTTCAGCCTCACC
 AAGTGGGTGCACCTGAACTGGGGTGATGAGGGGCTGAAGAGAATGTTCCGCCGCATCTACCGGCACCTGC
 GCCCTGGGGTATTCTGGTCTTGAGGCCCAACCATGGTCTCTACTGCAAGAGAAAGTCTCTACGGA
 AACAATCTATAAGAACTACTTTTGAATCCAGTTGAAGCCAGAACAGTTTCAAGTTTCTACCTGACATCCCCA
 GAGGTGGGTTTCTCCAGCTATGAGCTTGTGGCCACACCGAATAACACCTCCAGAGGCTTCCAGCGTCCTG
 TGACTTGTTCACAAGGCTCGATCCCCAGCCAC

ACGCGTACGCGGGCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG209881 representing NM_144913
 Red=Cloning site Green=Tags(s)

MIEMAAEKEPFLVPAPPPPLKDESGGGGGPEVQSHQEAASGELRDGTEHGPRAHSAGAAASGGGGPQA
 QAHGEPHGRAAAPADVGEERRGGGTDLGPPAPPRPRNGYQPHRPPGGGGGKRRNSCNVGGSGGSFKHP
 AFKRRRRVNSDCDSVLP SNFLLGGNIFDPLNLNSLLDEEVSRLNAETPKSSPLPAKGRDPVEILIPKDI
 TDPLSLNTCTDEAHVVLASPLKIGRKRHRHRGPHHQQQQASGGNDSNAAVLPTDPLTPSLHGEGATQQQQ
 NRGQNRDAPQPYELNTAINCRDEVVSPLSALQGSSGSLSAPPAASVTSAPSTSSSRHRKRRRTSSKSE
 AGARGGSQGSKEKGRGSGGGRHHHPLPATGFKKQQLKFQYGNKYGYRNPSCEDVRLRVLKPEWFQG
 RDVLDLGCNVGHLTL SIACKWGPARMVGLDIDPRLIHSARQNIIRHYLSEELRLQAQTSEGDPGTEGEEGT
 ITVKRSCFPASLTASRGPIAAPQVPLDGADTSVFNNVVFVTGNYVLDRELVDAQRPEYDVVLCFSLT
 KWWHLNWGDEGLKRMFRRIYRHLRPGGILVLEPQPWSSYCKRSLTETIYKNYFRIQLKPEQFSSYLTP
 EVGFSSYELVATPNNTSRGFQRPVYLFHKARSPSH

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_144913

ORF Size: 1995 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_144913.2](#)

RefSeq Size: 3191 bp

RefSeq ORF: 2001 bp

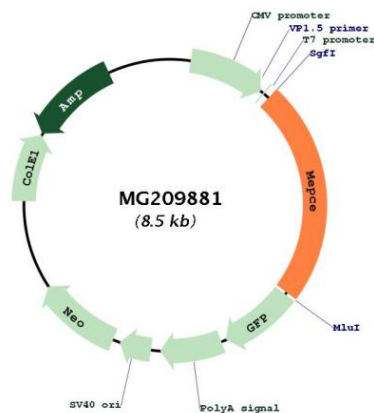
Locus ID: 231803

UniProt ID: [Q8K3A9](#)

Cytogenetics: 5 76.7 cM

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 MG209881