

Product datasheet for **MR207467**

Mtmr7 (BC032254) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mtmr7 (BC032254) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mtmr7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207467 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGCACATCCGCACGCCCAAGTTGAAAACGTGCGCTTGGTAGACAGAGTGTCTTGTAAAAAGGCAG
 CGCTGGGAACTTTGTATCTGACGGCCACTCACGTATATTCGTGGAAAATGCACCTGACACAAGAAAAGA
 AACCTGGATTCTGCACAGTCAGATCTCCACCATTGAAAAGCAGGCGACAACAGCTACGGGCTGCCCTCTG
 CTTATTCGCTGCAAGAACTTCCAGATCGTACAACCTTGTCACTCCACAGGAGAGAGACTGCCACGACGTGT
 ACATCTCTCTGATACGCCTTGCACGGCCAGTGAAGTACGAGGAGCTATACTGCTTTTCTTCAACCCCAA
 GCTGGATAAGGAAGAACGGGAGCAGGGCTGTTGCTGTTGACCTTAGTGAAGAATAACAAGCAATGGGC
 CTCCTGATAATTATTGGCAGCTCAGCGATGTGAATAGAGACTACAGAGTTTGTGACTCTACCCACGG
 AACTGTACGTCCCAGATCGGCCACGGCACACATCATCGTGGCAGCTCCAAGTTCGGAGCAGACGGCG
 ATTTCTGCCCTTCTACTACTGTAAGACAGCCATGCCTCCATCTGCAGGAGCAGCCAGCCCCTTTCC
 GGCTTCAGCGCTCGGTGCCTGGAGGATGAGCAGATGCTCCAAGCCATCAGGAAAGCCAATCCTGGAAGTG
 ACTTCATTTATGTCGTGGACACAAGGCCTAAACTTAATGCGATGGCAATCGTGTGTCAGGGAAAGGCTA
 TGAGAATGAAGACAATTATTCCAATATCAAGTTTTCAGTTTATCGGCATAGAGAACATCCACGTATGAGG
 AACAGTCTTCAGAAAATGCTGGAAGTGTGTGAACCTAAATCTCCCTCTATGAGTGATTTCTGTGGGGAC
 TGGAGAACTCAGGCTGGCTGAGGCACATCAAAGCCATCATGGATGCAGGGATCTTCATTGCAAAGGCAGT
 TTCAGAGGAAGGGCAAGTGTGCTTGTCTACTGTTCTGACGGCTGGGACAGAACGGCCAGGTGTGCTCG
 GTGGCTAGCCTGCTGCTGGACCCCTACTACCGGACTCTGAAAGGATTCATGGTATTAATTGAAAAGGACT
 GGATTTCTTCGGACATAAATTTAATCATAGATATGGCAACTTAGATGGTGACCCAAAAGAAATCTCTCC
 AGTAATCGACCAGTTTATTGAGTGTCTGTCGAGCTAACGGAACAGTTCCCTTGCCTTTGAGTTCAAC
 GAGAGTTTCTGACTCACATTCAGCATCATGTTTATTCTGCCAGTTTGGAACTTCTGTGTAATAGCC
 AGAAGGAGAGGCGAGAATCAATGAGAATGAAAAAGCAAAAAGGGTTACGGTTCCTTAAGGAGGACTC
 C

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207467 protein sequence
 Red=Cloning site Green=Tags(s)

MEHIRTPKVENVRLVDRVSKKAALGTLYL TATHVIFVENAPDTRKETWILHSQISTIEKQATTATGCPL
 LIRCKNFQIVQLVIPQERDCHDYISLIRLARPVKYEELYCF SFNPKLDKEEREQWLLVDLSEYKRMG
 LPDNYWQLSDVNRDYRVCD SYPTEL YVPRSATAHIIVGSSKFRSRRFPALSYCKD SHASICRSSQPLS
 GFSARCLEDEQMLQAIRKANPGSDFIYVVDTRPKLNAMANRAAGKGYENEDNYSNIKQFQFIGIENIHVMR
 NSLQKMLEVCELKSPMSDFLWGLENSGWL RHIKAIMDAGIFIAKAVSEEGASVLVHCSDGWDRTAQVCS
 VASLLLDPPYRTLKGFVLIIEKDWISFGHKFNHRYGNLDGDPKEISPVIDQFIECVWQLTEQFPCAFEFN
 ERFLTHIQHVYSCQFGNFLCNSQKERRELNENKSKKGRFLKEDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: BC032254

ORF Size: 1401 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: [BC032254](#), [AAH32254](#)

RefSeq Size: 2817 bp

RefSeq ORF: 1403 bp

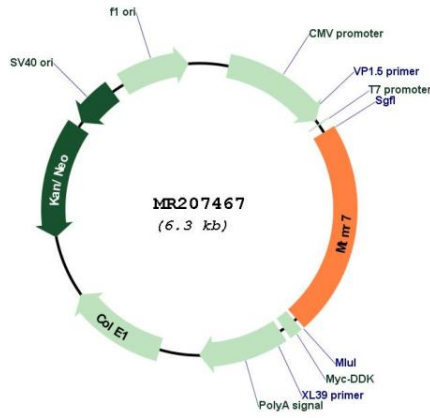
Locus ID: 54384

Cytogenetics: 8 A4

MW: 53.9 kDa

Gene Summary: Phosphatase that specifically dephosphorylates phosphatidylinositol 3-phosphate (PtdIns(3)P) and inositol 1,3-bisphosphate (Ins(1,3)P₂).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207467