

## Product datasheet for **MR217376**

### Chm (NM\_018818) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Chm (NM_018818) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chm
Synonyms:	Rep-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide  
Sequence:

>MR217376 representing NM\_018818  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCGGATAATCTCCCTTCGGACTTTGATGTGATCGTAATAGGGACGGTCTGCCTGAATCCATCATTG  
CAGCTGCATGTTCAAGGAGTGGCCAGAGGGTTCTGCATGTTGATTCAGAAGCTACTATGGAGGAACTG  
GGCCAGTTTCAGCTTTTCAGGACTGTTGTCTGGCTAAAGGAATACCAGGAAAATAGTGATGTTGTGACT  
GAAAATTCATGTGGCAAGAACAGATACTTGAACCAAGAAGCTATTCTTCTAGTAGCAAGGACAAAA  
CAATTCACATGTAGAAGTATTTGTTATGCCAGTCAGGATTTGCACAAAGATGTTGAAGAAGCTGGTGC  
ACTGCAGAAAAATCCTGCTTCAGTGTGTCCGCACAGGCCACAGAGGCCGAGAGGCTGCAGAGGCCGCA  
GAGGCTGCAGAGGCCACAGAGGCTGCAGAGGCCGCTTGCCTTCTACTGCAGAGGAGTCCCTAAGCAGCA  
GGAGCTGTGAACCTGCAGAACAAAGTCAGTGCACGGGGCCAGAGAGTTCACCACAAGTAAATGATGC  
TGAAGTAGGAGAGAAAAGAACTCAGAGTGTGCAAAAAGTTCAACAGAACAATCAAGTGAATTTTGCCT  
AAAGTACAAGACAACACAGAGACACAAAGAGAAAATGTAATTACTTACTCACAGATTATTAAGAAGGCC  
GAAGATTTAACATTGATTTAGTATCAAACTTCTCTATTCTCGGGGATTACTAATTGATCTTCTAATCAA  
ATCAAAATGTTAGTCGGTATGCAGAGTTTAAAAACATTACGAGGATTCTTGCATTTGAGAAGGAACTGTG  
GAACAGTCCCCTGTTCCAGAGCAGATGTCTTCAATAGCAAACTTACTATGGTAGAAAAGCGAATGC  
TTATGAAATTTCTTACATTTTGTGTGGAATATGAAGACCATCCCGATGAGTACAAAGCATAACGAGGAAAC  
TACATTTTCTGAATACTTAAAACTCAAAAATTAACCCCAACCTACAATATTTTGTCTGCCTCAATT  
GCAATGACATCAGAGACAACAAGCAGTACTGTAGATGGTCTCAAAGCTACTAAAAAGTTTCTTCAAGTGC  
TTGGCGGTATGGCAACTCCATTTCTGTTTCCCTTTATATGGCCAAGGAGAATTCCACAGTGTTTTTTG  
CAGAATGTGTGCTGTGTTTGGTGAATCTATTGTCTTCGCCATTCAGTACAGTGCCTTGTAGTGGACAAA  
GAATCCAGAAAATGTAAGCAATTGTAGATCAGTTTGGTCAAAGGATAATCTCTAAACATTTTCGTTATTG  
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TACAGATGGATCAGTACTAAAACCCGATTCTGATCAACAGGTCTCCATTTTGCAGTGCAGCAGAAAGAG  
TCAGGAAGTTTGTGTTTCGAGTCATTGAGTTATGCTCTTCAACAATGACATGCATGAAAGGCACATACT  
TGGTACATTTGACTTGCATGTCTTCTAAAACAGCAAGAGAAGATTTAGAACGAGTAGTCCAGAAATGTT  
TACTCCATATACAGAAATCGAAGCAGAAAATGAACAGGTTGAAAAGCCAAGAATTCTATGGGCACTCTAC  
TTCAATATGAGAGACTCTTCGGATATCAGCAGAGATTGTTATAATGATTTACCGTCCAATGTCTATGTGT  
GCTCTGGCCCTGACTGTAATCTAGGAAATGATAATGCAGTCCAACAGGCCGAAACAGTTTTCCAGAAAAT  
CTGCCAAATGAAGACTTCTGTCCAGCCCCACCAATCCTGAAGATATTATTCTTGATGGAGACAGCTCA  
CAACAAGAAGTTTCAGAAATCCAGTGTACATACCAGAAACCAACTCAGAAACTCCCAAGGAAAGTACAGTCC  
TAGGAGACTCAGAAGAGCCCTCTGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR217376 representing NM\_018818  
 Red=Cloning site Green=Tags(s)

MADNLPDFDVIVIGTGLPESIIAAACSRSGQRVLHVDSRSYGGNWFSSFGLLSWLKEYQENS DVVT  
 ENSMWQEIQILENEEAILLSSKDKTIQHVEVFCYASQDLHKDVVEAGALQKNPASVMSAQATEAAEAAEAA  
 EAAEATEAAEAACLPTAEESLSTRSCELPAEQSQCTGPESPQVNDAEVGEKETQSDAKSSTEQSSEILP  
 KVQDNTETPKRNVTYSQIIKEGRRFNIDLVSKLLYSRGLLIDLLIKSNVSRYA EFKNITRILAFREGTV  
 EQVPCSRADVFN SKQLTMVEKRMLMKFLTFCVEYEDHPDEYKAYEETTFSEYLKTQKLTPNLQYFVLHSI  
 AMTSETTSSTVDGLKATKKFLQCLGRYGNTPFLFPLYGQGELPQCFCRMCAVFGGIYCLRHVSQCLVVDK  
 ESRKCKAIVDQFGQRIISKHFVIEDSYLSENTCSGVQYRQISR AVLITDGSVLKPDSDQVVSILTVPAEE  
 SGSFAVRVIELCSSTMTCKGTYL VHLTCMSSKTAREDLERVVQKLFPTYEIEAENEQVEKPRILWALY  
 FNMRDSSDISRDCYNDLPSNVYVCSGPD CNLGNDAVQQAETVFQKICPNEDFCPAPPNPEDIILDGSS  
 QQEVSESSVIPETNSETPKESTVLGDSEEPSE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

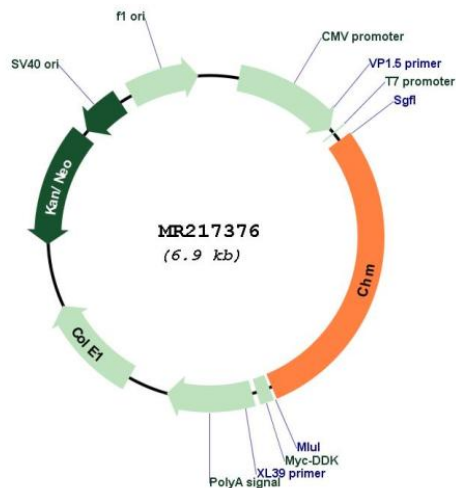
Restriction Sites:

SgfI-MluI

Cloning Scheme:



## Plasmid Map:



ACCN: NM\_018818

ORF Size: 1986 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\\_018818.2](#), [NP\\_061288.2](#)

RefSeq Size: 4867 bp  
RefSeq ORF: 1989 bp  
Locus ID: 12662  
Cytogenetics: X E1  
MW: 74.1 kDa