

Product datasheet for **MR209882**

Chm (BC047461) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chm (BC047461) 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



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ORF Nucleotide
Sequence:

>MR209882 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGATAATCTCCCTTCGGACTTTGATGTGATCGTAATAGGGACGGTCTGCCTGAATCCATCATTG
CAGCTGCATGTTCAAGGAGTGGCCAGAGGGTTCTGCATGTTGATTCAAGAAGCTACTATGGAGGAACTG
GGCCAGTTTCAGCTTTTCAGGACTGTTGTCTGGCTAAAGGAATACCAGGAAAATAGTGATGTTGTGACT
GAAAATTC AATGTGGCAAGAACAGATACTTGA A A A C G A A G A A G C T A T T C T T T A G T A G C A A G G A C A A A A
CAATTC A A C A T G T A G A A G T A T T T T G T T A T G C C A G T C A G G A T T T G C A C A A A G A T G T T G A A G A A G C T G G T G C
ACTGCAGAAAAATCCTGCTTCAGTGATGTCCGCACAGGCCACAGAGGCCGAGAGGCCGAGAGGCTGCA
GAGGCCACAGAGGCTGCAGAGGCCGAGAGGCTGCAGAGGCCGCTTGCCCTCCTACTGCAGAGGAGTCTCT
TAAGCACGAGGAGCTGTGAACCTACCTGCAGAACAAGTCAGTGCATGGGGCCAGAGAGTTCACCACAAGT
AAATGATGCTGAAGTAGGAGAGAAAAGAACTCAGAGTGTGCAAAATGTTCAACAGAACAATCAAGTGAA
ATTTTGCCTAAAGTACAAGACAACAGAGACACCAAGAGAAAATGTAATTACTTACTCACAGATTATTA
AAGAAGGCCGAAGATTTAACATTGATTTAGTATCAAACTTCTCTATTCTCGGGGATTACTAATTGATCT
TCTAATCAAAATCAAAATGTTAGTCGGTATGCAGAGTTTAAAAACATTACGAGGATTCTTGCATTTTCGAGAA
GGAAGTGTGGAACAGGTCCTGTTCCAGAGCAGATGTCTTCAATAGCAAAACACTTACTATGGTAGAAA
AGCGAATGCTTATGAAATTTCTTACATTTTGTGTGGAATATGAAGACCATCCCGATGAGTACAAAGCATA
CGAGGAACTACATTTTCTGAATACTTAAAACTCAAAAATTAACCCCAACCTACAATATTTTGTCTGT
CACTCAATTGCAATGACATCAGAGACAACAAGCAGTACTGTAGATGGTCTCAAAGCTACTAAAAAGTTTC
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GCAGAAGAGTCAGGAAGTTTGTGTTTCGAGTCATTGAGTTATGCTCTTCAACAATGACATGCATGAAAG
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GCACTCTACTTCAATATGAGAGACTCTTCGGATATCAGCAGAGATTGTTATAATGATTTACCGTCCAATG
TCTATGTGTGCTCTGGCCCTGACTGTAATCTAGGAAATGATAATGCAGTCCAACAGGCGGAAATAGTTTT
CCAGAAAATCTGCCCAAATGAAGACTTCTGTCCAGCCCCACAAAATCCTGAAGATATTATCTTGATGGA
GACAGCTCACAACAAGAAGTTTCAGAAATCCAGTGTATACCAGAAAACCAACTCAGAAAACCTCCAAGGAAA
GTACAGTCCTAGGAGACTCAGAAGAGCCCTCTGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209882 protein sequence
 Red=Cloning site Green=Tags(s)

MADNLPDFDVIVIGTGLPESIIAAACSRSGQRVLHVDSRSYGGNWFSSFGLLSWLKEYQENS DVVT
 ENSMWQEIQILENEEAILLSSKDKTIQHVEVFCYASQDLHKDVEEAGALQKNPASVMSAQATEAAEAAEAA
 EATEAAEAAEAAEACLPTAEESLSTRSCELPAEQSQCMGPESPQVNDAEVGEKETQSDAKCSTEQSSE
 ILPKVQDNTETPKRNVITYSQIIEGRRFNIDL VSKLLYSRGLLIDLLIKSNVSRYA EFKNITRILAFRE
 GTVEQVPCSRADVFNSKQLTMVEKRMLMKFLTFCEYEDHPDEYKAYEETTFSEYLKTQKLT PNLQYFVL
 HSIAMTSETTSSTVDGLKATKKFLQCLGRYGNT PFLFPLYQGELPQCFCRMCAVFGGIYCLRHSVQCLV
 VDKE SRCKAIVDQFGQRIISKHFVIEDSYLSENTCSGVYRQISR AVLITDGSVLKPDSDQQV S ILTVP
 AEESGSFAVRVIELCSSTMTCMKGTYL VHLTCMSSKTAREDLERVVQKLF TPYTEIEAENEQVEKPRILW
 ALYFNMRDSSDISRDCYNDLPSNVYVCSGPD CNLGNDAVQQA EIVFQKICPNEDFC PAPPNPEDIILDG
 DSSQQEVSESSVIPETNSETPKESTVLGDSEEPSE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

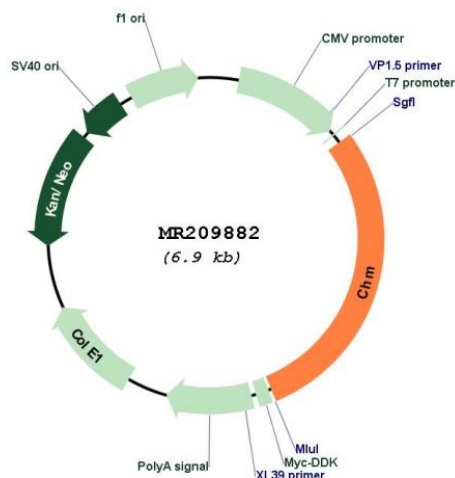
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC047461

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.

RefSeq: [BC047461](#), [AAH47461](#)

RefSeq Size: 4023 bp
RefSeq ORF: 1997 bp
Locus ID: 12662
Cytogenetics: X E1
MW: 74 kDa