

Product datasheet for **RN200820**

Chm (NM_017067) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chm (NM_017067) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Chm
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200820 representing NM_017067
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGATAATCTCCCTTCGGACTTTGATGTGATCGTAATAGGGACGGTTTGCCTGAATCCATCATTG
 CAGCTGCATGTTCAAGGAGTGGCCAGAGGGTCTGCATGTTGATTCAGAAGCTACTATGGAGGAACTG
 GGCCAGTTTCAGCTTTTCAGGACTGTTGTCTGGCTAAAGGAATACCAGGAAAATATGATGTTGTGACT
 GAAAATTCATGTGGCAAGAACAGATACTTGAACCAAGAAGCTATTCCTTTAGTAGCAAGGACAAAA
 CAATTCACATGTAGAAGTATTTGTTATGCCAGTCAGGATTTGCACAAAGATGTTGAAGAAGCTGGTGC
 ACTGCAGAAAAATCATGCTTCTGTGACATCTGCACAGTCCGCAGAGGCTGCCGAGGCTGCAGAACTTCT
 TGCCTTCTACTGCAGTGGAGCCATTAAGCATGGGGAGCTGTGAAATACCTGCAGAACAAAGCCAGTGCC
 CTGGTCCAGAGAGTTCACCAGAAGTCAATGATGCTGAAGCCACAGGAAAGAAAATAGTGATGCTAA
 AAGTTCAACAGAAGAACCAAGTAAAATGTGCCTAAAGTCCAAGACAACACAGAGACACCAAAGAAAAAC
 AGAATCACTTACTCACAGATTATTAAGAAGGCAGAAGATTTAACATTGATTTAGTTTCACAACCTCTGT
 ATTCTCGGGGATTACTAATTGATCTTCTAATCAAATCAAATGTTAGTTCGATATGCAGAGTTAAAAATAT
 TACGAGGATTCCTGCATTTCCAGAAAGAACTGTGGAACAGGTTCCATGTTCCAGAGCAGATGTTCTCAAT
 AGCAAACTACTACTATGGTAGAAAAGCGAATGCTTATGAAATTTCTTACGTTTTGTGTAGAATATGAAG
 AACATCCTGACGAGTACAGAGCATATGAGGAACTACATTTTCTGAATATTTAAAACTCAAAAATTAAC
 CCCTAACCTACAATATTTTGCCTGCACCTCAATGCAATGACATCAGAGACAACAAGCTGTACTGTAGAT
 GGTCTCAAAGCTACTAAAAAGTTTCTTCAGTGTCTTGGCGGATATGGCAACTCCATTTCTGTTTCCTT
 TATATGGCCAAGGAGAACTTCCACAGTGTTTTTGCAGAATGTGTGCTGATTTGGTGAATCTATTGTCT
 TCGCCATTCTGTACAGTGCCTTGTAGTGGACAAAAGAATCCAGAAAATGTAAGCAGTGATAGATCAGTTT
 GGTCAAAGGATAATCTCTAAACATTTTATTATTGAAGACAGTTACCTTTCTGAGAATACATGTTCCCGTG
 TGCAATACAGGCAAAATCCAGGCGAGTACTGATTACAGATGGATCTGTACTAAAAACGGATGCAGACCA
 ACAGGTCTCCATTTTGGCGGTGCCAGCAGAAGAGCCAGGAAGTTTTGGTGTACGAGTTATTGAGTTATGC
 TCTTCAACAATGACATGCATGAAAGGCACATATTTGGTGCATTTGACTTGCATGTCTTCTAAAACAGCAA
 GAGAAGATTTAGAACGGGTAGTCCAGAAATGTTTACTCCGTATACAGAAATAGAAGCAGAAAATGAACA
 GGTGAAAAGCCAAGACTTCTATGGGCACTCTACTTCAATATGAGAGACTTTCAGATATCAGCAGAGAT
 TGTATAATGATTTACCATCCAATGTCTATGTGTGCTCTGGCCCTGACTCCGGTCTAGGAAATGATAATG
 CAGTCAAACAGGCGGAAACACTTTTCCAGCAAATCTGCCCAAATGAAGACTTCTGTCCAGCCCCGCCAAA
 TCTGAAGATATTGTTCTTGTGAGAGACAGTCCCAACAAGAAGTTCAGAAATCCAGTGTACACCCGAA
 ACCAACTCAGAGACTCCCAAGGAAAGTACAGTCTGGGAAACCCAGAAGAGCCTTCTGA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_017067

Insert Size: 1953 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_017067.1](#), [NP_058763.1](#)

RefSeq Size: 3482 bp

RefSeq ORF: 1953 bp

Locus ID: 24942

UniProt ID: [P37727](#)

Cytogenetics: Xq31

Gene Summary: may function as Rab escort protein (REP); mutations in human homolog associated with choroideremia, a disease of retinal degeneration [RGD, Feb 2006]