

Product datasheet for **MC219794**

Chml (NM_021350) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chml (NM_021350) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Chml
Synonyms:	AI450814; E030003F13Rik; REP-2; Rep2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219794 representing NM_021350
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGAGAAGCTTCCACAGAGTTTGTATGTGGTAATAATAGGGACAGGCTTCCGGAGTCCATCCTGG
 CAGCTGCATGTTCAAGAAGTGGACAGAGAGTTCTGCATGTTGACTCAAGGAGTTACTATGGAGGGAATTG
 GGCGAGTTTCAGCTTTACAGTTTGCAGTCCTGGCTGAAGGACTATCAACAGAACCATGACAGCGAGGAA
 GGCGTGACCGCCACATGGCAAGACCTGATCCATGAAACAGAAGAAGCCATCTCTCTTCGCAAGAAGGATG
 AAATAATTCAGCACACAGAAGTCTTCTGTTATGCTAGTCAAGATGTGGAGGACAGCGTGAAGACACCGA
 GACTCTGCAGAGAAGTCCCCCTAGAGGCATCTGCTACTCCGGCTGACTCTCTGGATTCTGCAAGCTTG
 CCCAAGAAGGAGTCAAGTCTTACTCTACAAGCTATGAAGTGCCTCTAGACATACAGAGAAAGTGATA
 GAGAGCTTCACTACCTCAGCTAATGTGGAGGACTCACTGGAGAAGAAAAGTACTGTGGCGATAAGAC
 GGATATGCACACAGTTTCAGGTGAAGATAAAGGTGAACACAAACTGTTGTACAAGACAGCATTGAACAA
 CCAAGAGAAATAGGATTACTTACTCTCAAATGGTTAAGGAGAGCCGGAGATTTAATATTGACTTGGTAT
 CAAAGCCGCTGTATTCTCAAGGGTCACTGATTGATCTTCTAATCAAATCAAATGTTAGTCGTTATGCAGA
 ATTTAAGAATGCTACTAGGATCCTTGCATTTTGGGAAGGGAAGGTAGAACAGGTGCCTTGCCTCAGAGCA
 GATGCTTTAATAGTAAAGAGCTCAGTATGGTTGAAAAGAGAATGCTAATGAAGTTTCTTACATTCTGTT
 TAGACTATGAACAACATCTGATGAATACCAAGATTTCAAACAGTGTTCATTTCTGACTACTAAAAAC
 TAAAAACTAACCTAATCTCCAGCACTTCACTACTCAATTGCAATGACATCAGAATCATCTTGC
 ACTACATTAGATGGCCTCAAGCAACAAAAACCTTCTTCAAGTGTCTTGGACGGTTTGGCAATACTCCCT
 TTATATTTCTTTATACGGCCACGGAGAAATCCCCAGTGTCTTGCAGGATGTGTGCAGTTTTTGGTGG
 AGTCTATTGCTTCGCCATAAAGTACAATGCCTTGTAGTTGACAAAGACTCTGGAAGATGTAAAGGAATC
 ATAGATGCCTTTGGTCAGAGAATAAGTGCCAACACTTTTATTGTGGAGGACAGTTATCTTCTAAGGAAA
 CATGTTCAAACGTGCAATATAAGCAGATCTCAAGGGCAGTGCTCATCACAGATCAGTCCATCCTGAAGAC
 AGATTCGGACCAGCAGATTTCCATTTTGGTAGTGCCTCCTCTGGAGCCAGGAACCACTTCTGTTCCGGTC
 ATGGAATTATGTTCTCAACCATGACATGCATGAAGGACAGCTATCTGGTCCACCTGACCTGTTCTCTT
 CAAAAACAGCCAGAGAAGACTTGAACCTGTGGTGAAGCAGTTATTCATTCTGAAGCAGAAGCAGAAGC
 AGGCAAAGATGAACTCCGAAAACCAAGACTCTTGTGGCTCTTTATTTAATATGAGAGATTCTCAGGA
 GTGAGCCGAAGCTCATACTGTGGCTTACCTTCCAATGTGTACATCTGCTCTGGCCCTGACTGGGGACTGG
 GGAGTGAGCATGCAGTCAAGCAGGCGGAAACACTGTTCCAAGAGATTTTCCCAGTGAAGAGTTCTGCC
 TCCTCCACCAAAACCTGAAGACATCATCTTTGAAGCTGAGGGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_021350
- Insert Size:** 1866 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_021350.2](#), [NP_067325.2](#)

RefSeq Size: 6117 bp

RefSeq ORF: 1866 bp

Locus ID: 12663

UniProt ID: [Q9QZD5](#)

Cytogenetics: 1 81.7 cM

Gene Summary: Substrate-binding subunit (component A) of the Rab geranylgeranyltransferase (GGTase) complex. Binds unprenylated Rab proteins and presents the substrate peptide to the catalytic component B. The component A is thought to be regenerated by transferring its prenylated Rab back to the donor membrane. Less effective than CHM in supporting prenylation of Rab3 family (By similarity).[UniProtKB/Swiss-Prot Function]