

## Product datasheet for **RR203636**

### Chml (NM\_001109524) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Chml (NM_001109524) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chml
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR203636 representing NM\_001109524  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGACAAACTTCCACAGAGTTTGTATGTGGTTATAATAGGGACTGGTTTGCCTGAGTCCATCCTGG  
 CAGCTGCATGTTCAAGAAGTGGACAGAGAGTTCTGCACGTTGACTCAAGGAGTTACTATGGAGGGAATTG  
 GGCGAGTTTCAGCTTTACAGTTTGTCTGCTGGCTGAAGGACTATCAACAGAACCATGACAGCGAGGGA  
 GACGTGACTGGCACATGGCAAGACCTGATCGATGAAACCGAAGAAGCCATCGCTCTTTGCAAGAAGGACG  
 AAATACTCAGCACACGGAAGTCTTCTGTTATGCTAGTCAAGATGTGGAAGATAGCATGCAAGAGACCGA  
 CCCTCTGCAGAAAAGTCCCTCCCAGAGGCATCTGCTACTCCGGCGGACTCTCTGGATACTGCAAGCTTG  
 CCCAAGAAGGCACTCAGAAGACTGTACAAGCTACGAGGCGCTTCTAGACGTACAGAGGGAAGTGATG  
 GAGCAGTTTCACTCTCCTCCGCTGATGCACAGGACTCACTGGAGAAGAAAAGTTCTGTGGAGATGAAAC  
 CGGGATGCACACAGTTTCAGATGGAGAAGAAGGTGAACACAAACTTGCTGCAGAAGACAAGTAGGACAA  
 CCAAGAGAAAATACGATTACTTACTCGCAGATGGTCAAGGAGAGCCGGACATTCAACATTGACTTGGTAT  
 CAAAGCTGCTGTATTCTCAAGGCTCACTGATCGATCTTCTAATCAAATCAAACGTTAGTCGTTATGCAGA  
 GTTTAAGAATGTTACTAGGATCCTTGCATTTCCGGGAAGGGAAGGTAGAACAGGTGCCCTTGCCTCAGAGCA  
 GATGTGTTAACAGTAAAGAGCTCACTATGGTTGAGAAGAGAATGCTAATGAAGTTTCTCACGTTCTGTT  
 TAGACTACGAGCAACATTCAGATGAATACCAAGATTTCAAACAATGTTTCTTTCTGACTACTAAAAAC  
 TAAAAAGCTAACGCCAACCTCCAACACTTCATACTCCACTCAATTGCAATGTCGTCAGACTCATCCTGC  
 ACTACATTAGATGGCCTTCAAGCAACAAGAAGTCTCCTTCGGTGTCTTGGACGGTTTGGCAACACTCCCT  
 TTATATTCCTTTATACGGCCAAGGAGAAATCCCAGTGTCTTGCAGGATGTGCGCAGTTTGTGGTGG  
 AGTCTATTGCCTTCGCCATAAGGTACAATGTCTTGTAGTTGACAGAGACTCTGGAAGATGTAAGGAATC  
 ATAGATGGCTTTGGGAGAGAATAAGTGCCAATATTTTATCGTGGAGGACAGTTACCTTTCTAAGGAAA  
 TGTGTTCAAACATTCAGTATAAGCAGATCTCAAGGCGAGTCTTATCACAGATCAGTCCATCCTGAAGAC  
 TGATTCAGACCAGCAGATTTCCATTTTGGTAGTGCCTCCTCTGGAGCCGGGAAGTCTTCCGTTCCGGGTC  
 ATGGAATTATGTTCTCAACATGACATGCATGAAGGACAGCTATCTGGTCCACTTGACCTGTTTCTCTT  
 CAAAAACAGCCCGAGAAGACTTGAACCCGTTGGTGAAGCAGTTATTCATCCCTTTTGCAGAAGCAGAAGC  
 AGACAAAGAGGAACTCAGAAAACCAAGACTTTTGTGGCCCTTTATTTAATATGAGAGATTCTCAGGG  
 GTGAGCCGAAGCTCATACTGTAGCTTACCTTCCAATGTATACATCTGCTCTGGTCTGACTGTGGACTGG  
 GGAATGAGCATGCAGTCAAGCAAGCGGAAACACTGTTCCAGGAGATCTTCCCAGTGAAGAGTTCTGCC  
 TCCTCCACCAACCCTGAAGACATTATCTTTGAAGCGGAGGGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR203636 representing NM\_001109524  
 Red=Cloning site Green=Tags(s)

MADKLPTEFDVVIIGTGLPESILAAACSRSGQRVLHVDSRSYYGGNWSFSTGLLSWLKDYQQNHDS  
 DVTGTWQDLIDETEEAIALCKKDETIQHTVEFCYASQDVEDSMQETDPLQKSPSPEASATPADSLDASL  
 PKERHSEDCTSYEAPSRRETEGSDGAVSLSSADAQDSLEKEKFCGDETMHTVSDGEEGEHLAAEDNVGQ  
 PKRNTITYSQMVKESRTFNIDLVSLLYSQGLIDLLIKSNVSRYAIEFKNVTRILAFREGKVEQVPC  
 DVFNSKELTMVEKRMLMKFLTFCLDYEQHSDEYQDFKQCSFSDYLKTKKLTPLQHFILHSIAMSSDSSC  
 TTLDGLQATKNFLRCLGRFGNTPFIFPLYGQGEIPQCFCRMCAVFGGVYCLRHVKVQCLVVDSDS  
 GRCKGIIDFGGQRIISANYFIVEDSYLSKEMCSNIQYKQISRAVLITDQSIKKTDSQDQISILV  
 VPPLEPGTASVRVMELCSSMTCKMDSYLVHLTCFSSKTAREDLPEVVKQLFIPFAEAEADKEELR  
 KPRLLWALYFNMRRDSSGVSRSYCSLPSNVYICSGPDCGLGNEHAVKQAETLFEIFPSEEF  
 CPPPPEPDIIFEAEG

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001109524

ORF Size: 1863 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\\_001109524.1](#), [NP\\_001102994.1](#)

RefSeq Size: 1866 bp

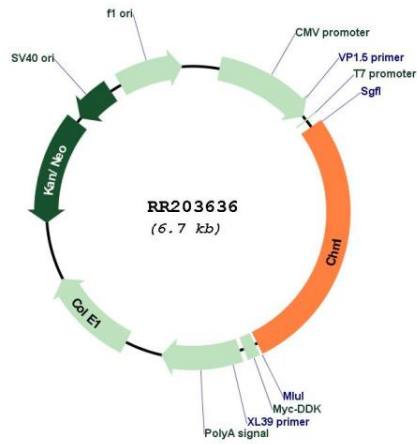
RefSeq ORF: 1866 bp

Locus ID: 689102

Cytogenetics: 13q25

MW: 69.4 kDa

Product images:



Circular map for RR203636