

Product datasheet for **MR223181**

Chrng (NM_009604) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrng (NM_009604) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chrng
Synonyms:	Achr-3; Acrg
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR223181 representing NM_009604
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAAGGGGGCCAGAGACCTCAGCTCCTCTTGTCTGTGGCTGTCTGCCTGGGGGCCAGAGCCGCA
 ACCAAGAGGAGCGTCTGCTTGGCGACCTGATGCGAAACTACGACCCACCTGCGCCGGCTGAGCGCGA
 CTCAGATGGTCAATGTGAGCCTGAAGCTTACCTTGACCAACCTCATCTCCCTGAATGAACGAGAGGAG
 GCCCTCACAATAACGTCTGGATAGAGATGCAATGGTGGGACTATCGCCTGCGCTGGGACCCAAAAGACT
 ACGAAGGCTGTGGATATTGAGGGTGCCATCTACTATGGTCTGGCGGCCAGATATCGTCTGGAGAACAA
 TGTGGACGGTGTCTCGAGGTGGCTCTCTACTGCAATGCTCTGTCCTGTCCTCCCGACGGTTGTATCTACTGG
 CTGCCGCTGCCATCTCCGCTCCTCTGCTCCATCTCTGTCACCTACTCCCCTTCGATTGGCAGAACT
 GTTCCCTCGTCTTCCAATCCCAGACTTACAGCACCAGTGAGATCAACTTGCAGCTGAGCCAGGAGGATGG
 GCAAGCCATTGAGTGGATCTTCATTGACCCGGAGGCTTTCACAGAGAATGGGGAGTGGGCCATCCGGCAC
 CGAACCGCTAAAAATGCTCCTGGACTCCGTGGCTCCTGCAGAGGAGCGGGCCACCAAGAAGTGGTGTCT
 ACCTGCTTATCCAGCGCAAGCCCTCTTCTACGTCATCAACATCATCGCCCCCTGTGTGCTCATCTCCTC
 AGTCGCCATCCTCATCTACTTCTTCTGCTAAGGCGGGCGGCAGAAATGCACAGTGGCCACCAACGTG
 CTCCTGGCCAGACTGTCTTCTTTCTTGTGGCTAAGAAGGTGCCTGAGACCTCCAGGCAGTGCCAC
 TCATCAGCAAGTACCTGACCTTCTCATGGTGGTGACCATCCTCATCGTCGTGAACCTGTGGTCTGTCT
 CAATGTCTCTTGGGTCCCCCACACACTCCATGGCCGTGGGTCCGCAAGGTGTTCTGAGGCTC
 CTGCCCCAGCTGTTACGGATGCATGTGCGCCACTAGCTCCAGCTGCTTCCAGGATGCCCGTTCCGAC
 TCCAGAATGGCTCTTCTCAGGGTGGCCATCATGGCTCGAGAGGAAGGGGACCTGTCTGCCTCGAAG
 CGAACTCCTCTTAGGCAAGGCGAGCAATGGATTAGTGCAGGAGTATTGGAGAAGCTAGAGAATGGT
 CCAGAAGTGAGGCGAGCCAGGATTCTGTGGCAGCCTGAAGCAAGCCTCCCGAGCCATCCAGGCTGTG
 TGGATGCCTGTAACCTCATGGCTCGTGGCCGACGCCAGCAGAGTCACTTTGACAGTGGGAACGAGGAGTG
 GTTGTGGTGGGCGAGTGTGGACCGAGTCTGCTTCTAGCCATGCTCTCCCTTTCATCTGTGGCACT
 GCTGGCATCTTCTCATGGCCACTACAACCAAGTGCCTGACCTGCCGTTCCCGGAGACCCCGCCCT
 ACCTGCCTTGGCAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223181 representing NM_009604
 Red=Cloning site Green=Tags(s)

MQGGQRPQLLLLLLAVCLGAQSRNQEERLLADLMRNYDPLRPAERDSDVVNVSLKLTNLISLNEREE
 ALTTNVWIEMQWCDYRLRWDPKDYEGLWILRVPSTMVWRPDIIVLENNVDGVFEVALYCNLVSPDGIYW
 LPPAIFRSSCSISVYFPPFDWQNCSLVFQSQTYSTSEINLQLSQEDGQAIIEWIFIDPEAFTENGWAIRH
 RPAKMLLDSVAPAEAGHQKVVFYLLIQRKPLFYVINIIAPCVLISSVAIILYFLPAKAGGQKCTVATNV
 LLAQTVFLFLVAKKVPETSQAVPLISKYLTFLMVVTILIVVNSVVVLNVSLRSPHSMARGVRKVFRLR
 LPQLLRMHVRPLAPAAVQDARFRLQNGSSSGWPIMAREEGDLCPRSELLFRQRQNGLVQAVLEKLENG
 PEVRQSQEFCSLQKQASPAIQACVDACNLMARARRQSHFDSGNEEWLLVGRVLDRCVFLAMLSLFCGT
 AGIFLMAHYNQVPDLPPFGDPRPYLPLPD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9016_a04.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_009604

ORF Size: 1557 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

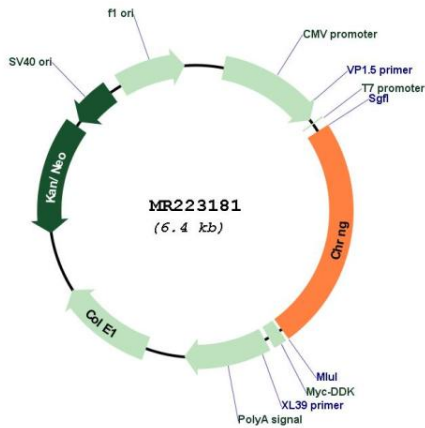
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_009604.3](#), [NP_033734.3](#)

RefSeq Size: 1921 bp
 RefSeq ORF: 1560 bp
 Locus ID: 11449
 Cytogenetics: 1 44.07 cM
 MW: 59.2 kDa

Product images:



Circular map for MR223181