

Product datasheet for **RR210427**

Chrng (NM_019145) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Chrng (NM_019145) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Chrng
Synonyms:	ACHRG
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR210427 representing NM_019145
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCACGGGGCCAGGGACCTCAGCTCCTCTTGTCTGTCTGGCTACCTGCCTGGGGGCCAGAGCCGCA
 ACCAAGAGGAGCGCTGCTTGCAGACTGATGCGCAACTACGACCCCATCTGCGCCGGCTGAGCGTGA
 CTCAGATGTGTTAATGTGAGCCTGAAGCTTACCTTAACCAACCTCATCTCCCTAATGAGCGAGAGGAG
 GCCCTCACGACTAATGTCTGGATAGAAATGCAATGGTGGGACTATCGCTACGCTGGGACCCGAAAGACT
 ACGAAGGCTGTGGATATTGAGGGTGCCATCTACCATGGTCTGGCAGCCGATATCGTGTGGGAAACAA
 TGTGGACGGTGTCTCGAGGTGGCGCTCTACTGCAATGTCTCGTGTCCCTGATGGTTGTATCTACTGG
 CTGCCGCTGCCATCTCCGCTCCTCCTGCTCCATCTGTGCACCTACTCCCTTCGATTGGCAGAACT
 GCTCCCTCGTCTCCAGTCCAGACTTACAGCACCAGCGAGATCAACTTGCAGCTGAGCCAGGAGGATGG
 GCAAGCCATTGAGTGGATCTTCATTGACCCCGAGGCTTTCACAGAGAATGGGGAATGGGCCATCCGGCAT
 CGACCAGCAAAATGCTACTGGATCCTGTGACTCCAGCAGAGGAGGCAGGCCACCAGAAGGTGGTGTCT
 ACCTGCTCATCAACGCAAGCCCTCTTCTATGTCATCAACATCATCGTCCCTGTGTGCTCATCTCCTC
 AGTTGCGATCCTCATCTACTTCTTCTGCAAGGCGGGCGCCAGAAGTGCACAGTGGCCACCAACGTG
 CTCCTGGCCAGACCGTCTTCTTTCTCGTGGCTAAGAAGGTGCCTGAGACCTCCAGGCAGTGGCCG
 TCATCAGCAAGTACCTGACCTTCTCATGGTGGTGACCATCCTCATCGTTGTGAACCTGTGGTCTGTGCT
 CAATGTGCTCTGAGGTCCCCACACACACTCCATGGCCGGGGGTCCGCAAGGTGTTTTGAGGCTC
 CTGCCCCAGCTGTTACGGATGCATGTGCATCCTCGGCTCCTGCTGTCCAGGATGCCCGCTGCGAC
 TCCAGAATGGCTCTTCTCAGGGTGGCCATCATGACTCGAGAGGAAGGGGACCTGTGCTGCTCGAAG
 CGAACTCCTCTTTAGGCAAGGAGCGCAATGGATTGGTGCAGGAGTACTGGAGAAGTTAGAGAATGGT
 CCAGAAATGAGGAGAGCCAGGATTTCTGTGGCAGCCTGAAGCAAGCCTCCCGGCCATCCAGGCCTGTG
 TGGATGCCTGTAACCTCATGGCGCTGCCGACACCAGCAAAGTCACTTTGACAGTGGGAATGAGGAGTG
 GTTGTGGTGGCCGAGTGTGGACCGAGTCTGTTTCTAGCCATGCTCTCCCTTTCATCTGCGGCACT
 GCTGGCATCTTCTCATGGCCACTACAACCAGGTGCCTGACCTGCCATTCCTGGAGACCCCGCCCT
 ACTTGCCTTTGCCAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR210427 representing NM_019145
 Red=Cloning site Green=Tags(s)

MHGGQGPQLLLLLLATCLGAQSRNQEERLLADLMRNYDPLRPAERDSVVVNSLKLTLNLISLNEREE
 ALTTNVWIEMQCDYRLRWDPKDYEGWLILRVPSTMVWQPDIVLGNVVDGVFEVALYCNLVSPDGIYW
 LPPAIFRSSCSISVYFPPFDWQNCSLVFQSQTYSTSEINLQLSQEDGQAIIEWIFIDPEAFTENGWAIRH
 RPAKMLLDPVTPAEEAGHQKVVFYLLIQRKPLFYVINIIVPCVLISSVAILIYFLPAKAGGQKCTVATNV
 LLAQTVFLFLVAKVPETSQAVPLISKYLTFLMVVTILIVVNSVVVLNVSLRSPHSMARGVRKVFRLR
 LPQLLRMHVHPRAPAAVQDARLRLQNGSSSGWPIMTREEGDLCLPRSELLFRQRQNGLVQAVLEKLENG
 PEMRQSQEFCSLQASPAIQACVDACNLMARARHQSHFDSGNEEWLLVGRVLDRCVFLAMLSLFCGT
 AGIFLMAHYNQVPDLPPFGDPRPYLPLPD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_019145

ORF Size: 1557 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_019145.1](#), [NP_062018.1](#)

RefSeq Size: 1832 bp

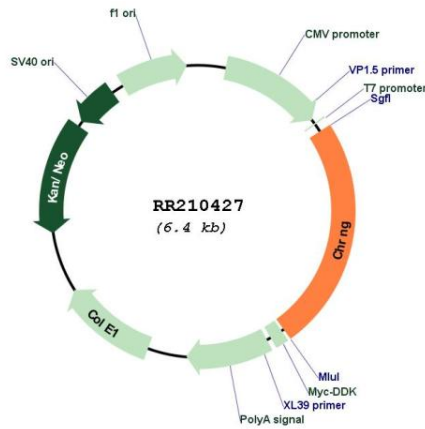
RefSeq ORF: 1560 bp

Locus ID: 25753

UniProt ID: [P18916](#)

Cytogenetics: 9q35
 MW: 58.6 kDa
 Gene Summary: gamma subunit of a functional nicotinic acetylcholine receptor [RGD, Feb 2006]

Product images:



Circular map for RR210427