

Product datasheet for **RR210073**

Sec63 (NM_001107637) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sec63 (NM_001107637) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sec63
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RR210073 representing NM_001107637
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGCCAGCAGTTCAGTACGATGACAGCGGGAACACCTTCTTCTACTTCCTCACCTCCTTCGTGG
 GGCTCATCGTGATCCCCGCCACCTACTACCTCTGGCCGCGAGACCAGAATGCGGAGCAAATTCGATTAAA
 GAATATCAGAAAAGTATACGGAAGATGTATGTGGTATCGTTTACGGTTATTAACCCAGCCAAATATT
 ATTCCTACAGTAAAGAAAATAGTTCTGCTTGCAGGATGGGCATTGTTCTTATTTCTTGCCTACAAAGTTT
 CCAAAACAGACCGAGAATATCAAGAGTACAATCCTTATGAAGTATTAATTTGGATCCTGGAGCAACAGT
 AGCAGAAATTAAGAAACAATATCGCTTGTGTCACTTAAATATCATCCAGATAAAGGAGGTGATGAAGTC
 ATGTTTCATGAGGATAGCGAAAGCTTACGCAGCTTAAACAGATGAAGAGTCTCGGAAAAATGGGAAGAAT
 TTGGAATCCAGATGGGCCTCAAGCCACAAGCTTTGGAATTGCTTGGCAGCTTGGATAGTTGACCAGAA
 AATTCTGATTCTGGTTTTACTTGTGTATGGATTGGCTTTTATGGTTATCCTTCCTGTTGTGTGGGCTCT
 TGGTGGTATCGGTCCATACGATATAGCGGAGACCAGATTCTAATCCGTACAACACAGATTATACATACT
 TTGTTTATAAGACTCGGAATATGGATATGAAGCGTCTCATCATGGTTTTAGCTGGAGCTTCTGAATTTGA
 TCCTCAATATAATAAAGATGCCACAAGCAGGCCAACAGATAATGTTTTAATACCTCAGCTAATCAGGGAA
 ATTGGCAGCATAAATTTAAAGAAGAATGAACCTCCACTTACCTGTCCATATAGCCTGAAGGCCAGAGTTC
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 AGTTTCAAACCACAAAAAGTTCAAAATTAAGTATCCAGGATTTGGTCAGTTTAAAGAAGCAGATCGT
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 ATGTGACCATGGACATAAAATCACAGGTGTTGGATGATGAAGACAGCAACAACATCACAGTAGGGTCCCT
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 AGCAGAAGAACAAGGACCCAAGAAAATGCCAAATCAAAAAAAGAAGCCTTTAAAAAACCAC
 AACTGTGCCCTTACCTCAGGGAAAGCAGCAGAAGCAAAAGCAGGCAATGGAGTTGTTGGGAGTGAAGCT
 GCAATGAAGGAGGAGGAGGAGGACATTTCTGACAAAGGCAGCGACTCTGAAGAGGAGGAGACCAATAGAG
 ACTCGCAGAGCGAGAAGGACGATGGCAGTGACAGAGACTCTGACAGAGAGCAGGATGAGAAGCAAGCAA
 AGACGACGAAGCAGAGTGGAAGAGCTACAGCAAAGTATACAGAGGAAGGAGAGACTCTTTTGGAGACC
 AAGTCAAGATAACACACCCTGTGTATAGTCTTTACTTTCCCGAGGTAGAGCTGAAGTTCCTGACCTG
 GCAGGCCCTGGGAATCACCAGTACACAGTGTCTGCGGTCGGACTCCTACATGGGCTGGACCAGACTAA
 ACCACTGAAGTTGGAAGTTCATGAGGCCAAGCCCGTGCCAGAAACCACCCACAGTGGGACACAGCAATA
 GAAGGTGACGAAGACCAGGAAGACAGTGAAGGATTTGAAGACAGCTTTGAGGAAGAGGAGGAGGAAGAGG
 AGGTGTTGAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR210073 representing NM_001107637
 Red=Cloning site Green=Tags(s)

MAGQQFQYDDSGNTFFYFLTSTFVGLIVIPATYYLWPRDQNAEQIRLKNIRKVVYGRMWRLLKQPQNI
 IPTVKKIVLLAGWALFLFLAYKVSKTREYQYENPYEVLNLDPGATVAEIKKQYRLLSLKYHPDKGGDEV
 MFMRIAKAYAALTDEESRKNWEEFGNPDGPQATSFQIALPAWIVDQKNSILVLLVYGLAFMVILPVVVGS
 WWYRSIRYSGDQILIRTTQIYTYFYVYKTRNMDMKRLIMVLGASEFDPQYNKDTSRPTDNVLIPLIRE
 IGSINLKKNEPPLTCPYSLKARVLLLSHLARMKIPETLEEDQQFMLKKCPALLQEMVNVICQLIIMARSR
 EEREFRAPTLASLENCMKLSQMAVQGLQQFKSPLLQLPHIEEDNLRRVSNHKKFKIKSIQDLVSLKEADR
 HSLLHFLEDEKYEEMAVLGSFPYVTMDIKSQVLDDSDSNITVGSLLVTLVKLTRQTMAEVFEKEQSIC
 AAEQPAEDGQSDANKNKAAGGQQKNKGPKMKPKSKKKKPLKKKPTTVPLPQKQKQKQANGVVGSEA
 AMKEEEEDISDKGSDSEEEETNRDSQSEKDDGSDRDSREQDEKQSKDDEAEWQELQQSIQRKERALLE
 KSKITHPVYSLYFPEVELKFPAPGRPGNHQYTVFLRSDSYMGLDQTKPLKLEVHEAKVPENHPQWDTAI
 EGDEDQEDSEGFEDSFEIEEEEEEGGD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001107637

ORF Size: 2181 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_001107637.1](#), [NP_001101107.1](#)

RefSeq Size: 5855 bp

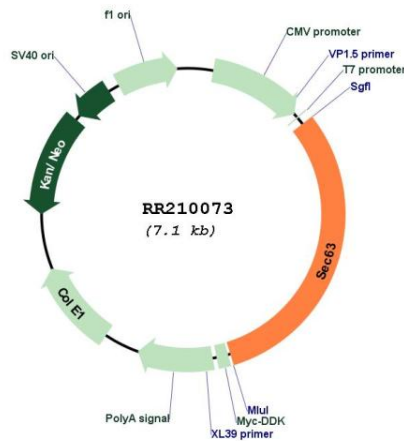
RefSeq ORF: 2184 bp

Locus ID: 309858

Cytogenetics: 20q13

MW: 83.6 kDa

Product images:



Circular map for RR210073