

Product datasheet for **RR210464**

Reck (NM_001107954) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Reck (NM_001107954) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Reck
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR210464 representing NM_001107954
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGAGCGTCCGGCCCTCCGCGAGAGCGCGCTGCTGCTTCTGCTGTCCGCGGGGGGTGCGGAAGG
 TGACCGGGGGCCTGGCCCGGGCAGCGCGGTGCTGTGTGCTGTAATCATTCAAAGGATAACCAAATGTG
 CCGTGATGTGTGAGCAGATTTTCTCCTCAAAAAGTGAATCCCGACTGAAACATCTGTTGCAGAGAGCC
 CCAGATTATTGCCAGAGACAATGGTTGAAATTTGGAGTTGCATGAACTCATCTTTGCCAGGTGATTTTA
 AGAAGTCGGATGGCTGGTTGGCTTAGGCTGCTGTGAGCTAGCCATTGGCTTGGAGTGCCGCCAGGCATG
 CAAGCAGGCATCTTCAAAGAATGATATTTCAAAGTTTGCAGGAAAGAATATGAGAACGCTCTTTTCAGT
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 TCTGTCAAGCCATTTTTCGAACAGACTCCTCTCCTGGACCATCTCAGATCAAAGCAGTGGAAAATTATTG
 TGGCTCTATTAGTCCACAGTTGATACACTGTGTGAACAATTACACCCAGTCGTATCCAATGAGAAACCA
 ACTGACAGTTTGTACTGCTGTGACAGAGCTGAAGAGCATGCTTGCCAGAGCGCCTGCAGGAGGATTCTAA
 CGTCTAAGAAGACAGAAATGGAGATTGTGGACGGCCTCATTGAGGGTTGAAGACCCAGCCCTTGCCCTCA
 AGATCCTCTTTGGCAGTGTCTTCTCGAAAGCTCACAGTCAGTTACCCCTGGAGTCACCGTGCACCCTCCT
 CCCTCAACCGGCCTTGATGGGGCCAAATTCGATTGTTGCTCTAAAGCAAACACCTCAGTGTGTAGGGAAAT
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 ATATAACCCCGGGGAAGTGTCCATGCTGGCCTGTCTGGCTGATGTCCGGGAGCCTTGCCAGTTGGGTTGT
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 CTGACCAGGGCCCATGAGTGACATGAGGCTGTGGGAGAAGGGCAGCATAAAGATGCCCTCATCAGCAT
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 ACTCATCCCTGTAATCCAAATCCTTGCCAGCCAATGAGCTCTGTGAAGTAAACCGAAAGGGGTGCCGT
 CTGGAGATCCCTGCCTCCGTACTCCTGTGTTCAAGGCTGCAAATGGGAGAAGCGTCTGACTTCATTGT
 CCGCCAAGGGGCACTGATCCAGGTGCCATCCTCTGCAGGGGAAGTTGGTTGTTACAAATCTGTTCTGT
 GGACAAAGTGGCCTCTTGAAAACCTGCATGGAAATGCACTGTATTGACCTCCAGAAGTCTTGCAATGTTG
 GAGGGAAAAGAAAGAGTCATGGAACATCCTTTACCATCGACTGCAACGTCTGTTCTGTTTTGCCGGCAA
 TTTAGTGTGTTCCACCCGTCTGTGCCTCAGTGAGCACAGTTCAGACGATGACCGCCGCGCCTTCACAGGT
 CTGCCCTGTAACCTGCGCAGATCAGTTTGTCCCAGTGTGTGCACAGAATGGACGCCTTACCCAGTGCCT
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 ACAGCCCCACGCTGGCATCCCACGTCCCCTGTCCGCCCTCATCATCTCCAGGTGCAGGTGTCCAGCAG
 TCTCCCGTCATCCGCTGTTGTGGCAGGCTTCTCCCGTCCACTGTTGCCCTCTCTCAGCCTGGGC
 CTCACTGTGCACCTGCTCCAGACCTGTCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGGTTTAA

Protein Sequence: >RR210464 representing NM_001107954
 Red=Cloning site Green=Tags(s)

MASVRASARGALLLLLSAAGVAKVTGGLAPGSAGAVCCNHSKDNQMCRDVEQIFSSKSESRLKHLQRA
 PDYCPETMVEIWSCMNSSLPGVFKKSDGWVGLGCCCLAIGLECRQACKQASSKNDISKVCRKEYENALFS
 CISRNEMGSVCCSYAGHHTNCREFCQAIFRTDSSPGPSQIKAVENYCASISPOLIHCVNNTQSYPMRNP
 TDSL YCCDRAEEHACQSACRRILTSKKTMEIVDGLIEGCKTQPLPQDPLWQCFLESSQSVHPGVTVHPP
 PSTGLDGAKLHCCSKANTSVCRELCTKLYSMSWGNTQSWQEFDRICEYNPGEVSMACLADVREPCQLGC
 TNLTYCTNFNNRPTLFRSCTAQSDQGAMSDMRLWEKGSIKMPFIIPVLDIRTCQPDLWKAVACSLQIK
 PCHRKSRGSIICKSDCVEILKKCGDQNKFEAHTAESICEFLSPADDVENCIPLDTYLRPSALGNIIEEV
 THPCNPNPCANELCEVNRKGCPSGDPCLPYSCVQGCKLGEASDFIVRQGALIQVPSSAGEVGCYKICSC
 GQSGLLENCMEMHCIDLQKSCIVGGKRKSHGTSFTIDCNVCSFAGNLVCSTRCLSEHSSDDRRRAFTG
 LPCNCADQFVPVCAQNGRTYPSACIARC VGLQDHQFEFGPCISKDPCNPCLCPKSQRCVPKPQVCLTTFD
 KFGCSQYECVPRQLTCDQARDPVCDTDHVEHSNLCTLYQRGKLSYRGPCQPF CRTTEPVCGHNGETYS
 VCAAYS DRVAVDYGRCAVGVLSHSAVTECAAVKCPSLSAIGCKPIIPP GACCPLCAGMLRVLFDKEK
 LDTIAKIEACNKEAEKIESLINSPTSPLASHVPLSALIIISQVQVSSSLPSSAVVGRLLPVHSLPLFLSLG
 LTVHLLQTCP

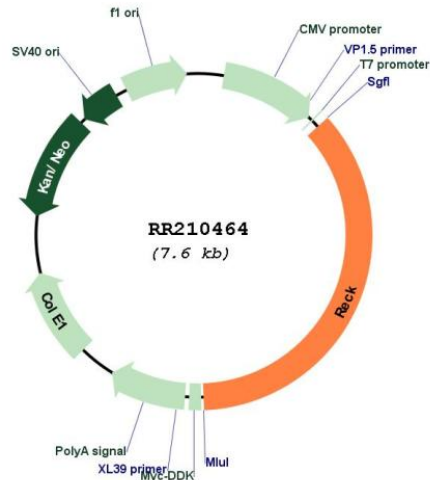
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001107954

ORF Size: 2760 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_001107954.1](#), [NP_001101424.1](#)

RefSeq Size: 3863 bp

RefSeq ORF: 2763 bp

Locus ID: 313488

Cytogenetics: 5q22

MW: 100.1 kDa