

Product datasheet for **RC212174**

RECK (NM_021111) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RECK (NM_021111) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RECK
Synonyms:	ST15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC212174 representing NM_021111
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGACCGTCCGGCCTCTCTGCGAGGTGCGTGTCTCTTCTGCTGGCCGTGGCGGGGTTCGCGGAGG
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 CCGTGATGTATGTGAACAGATTTTCTCCTCAAAAAGTGAATCCCGACTAAAACATCTGTTGCAGCGAGCC
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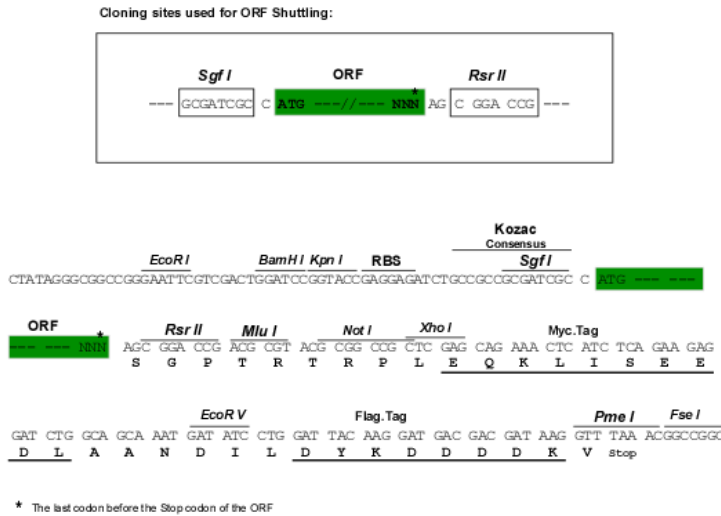
Protein Sequence: >RC212174 representing NM_021111
 Red=Cloning site Green=Tags(s)

MATVRSASLRGALLLLLAVAGVAEVAGGLAPGSAGALCCNHSKDNQMCRDVCEQIFSSKSESRLKHLLQRA
 PDYCPETMVEIWNCMNSLPGVFKKSDGWVGLGCCELAIAL ECRQACKQASSKNDISKVCRKEYENALFS
 CISRNEMGSVCCSYAGHHTNCREYCAIFRTDSSPGPSQIKAVENYCASISPOLIHCVNNTQSYPMRNP
 TDSL YCCDRAEDHACQNAACKRILMSKKT EMEIVDGLIEGCKTQPLPQDPLWQCFLESSQSVHPGVTVHPP
 PSTGLDGAKLHCCSKANTSTCRELCTKLYSMSWGNTQSWQEFDRFCEYNPVEVSMLTCLADVREPCQLGC
 RNLT YCTNFNNRPTELFRSCNAQSDQGAMNDMKLWEKGSIKMPFINIPVLDIKKQPEMWKAIACSLQIK
 PCHSKSRGSIICKSDCVEILKKCGDQNKFPEDHTAESICELLSPTDDLKNCIPLDTYLRPSTLGNIVEEV
 THPCNPNPCANELCEVNRKGCPSGDPCLPYFCVQGCKLGEASDFIVRQGTLIQVPSSAGEVGCYKICSC
 GQSGLLENMEMHCIDLQKSCIVGGKRKSHGTSF SIDCNVCSCFAGNLVCSTRCLSEHSSDDRRTFTG
 LPCNCADQFVPVCGQNGRTYPSACIARCVGLQDHQFEFGSCMSKDP CNPNPCQKNQRCIPKPQVCLTTFD
 KFGCSQYECVPRQLACDQVQDPVCDTDHMEHNNLCTLYQRGKSLSYKGPCQPF CRATEPVCGHNGETYS
 VCAAYS DRVAVDYYGDCQAVGVLSEHSSVAECASYKCP SLLAAGCKPIIPP GACCPLCAGMLRVLFDKEK
 LDTIAKV TNKKPITVLEILQKIRMHVSPQCDVFGYFSIESEIVLIIIPVDHYPKALQIEACNKEAEKIE
 SLINSDSPTLASHVPLSALIISQVQVSSVPSAGVRRARPSCHSLLLPLSLGLALHLLWTYN

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_021111

ORF Size: 2913 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_021111.3](#)

RefSeq Size: 4414 bp

RefSeq ORF: 2916 bp

Locus ID: 8434

UniProt ID: [O95980](#)

Cytogenetics: 9p13.3

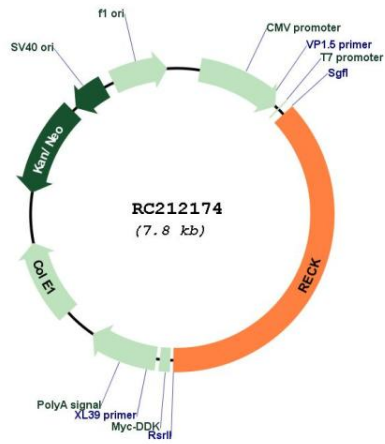
Domains: kazal

Protein Families: Transmembrane

MW: 103.9 kDa

Gene Summary: The protein encoded by this gene is a cysteine-rich, extracellular protein with protease inhibitor-like domains whose expression is suppressed strongly in many tumors and cells transformed by various kinds of oncogenes. In normal cells, this membrane-anchored glycoprotein may serve as a negative regulator for matrix metalloproteinase-9, a key enzyme involved in tumor invasion and metastasis. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]

Product images:



Circular map for RC212174