

Product datasheet for **RR214562**

RGD1559532 (NM_001024983) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RGD1559532 (NM_001024983) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RGD1559532
Synonyms:	RP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR214562 representing NM_001024983 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGTGGTCTCTTTCACAGCGGTCTTGCTAACCTGAGCTATGCTCAGGAACCAGAAGTTTCAGAGCC
TAGACCAGACACCAATCAGAAACCACTCCACCAGGATCCACCAAGACCACCTGCTAATGGGAGCCA
GCAAGGCCACCCCAAGGAGGCCACAACAGAAACCACTCAGCCTGGAAAGCCCCAAGGCCCAACC
CCACCAGGAGGCCACAGCAGAAACCCCTCAGCCTGGAAACCAAGGCCACCCCAACCAGGAGGCC
CACAACAGAAACCACTCAGCCTGAAAAGCCCCAAGGCCACCCCAACCAGGAGGCCACAGCAGAGACC
TCCTCAGCCTGGAAACCAAGGCCACCCCAACCAGGAGGCCACAGCAGAAACCCCTCAGCCTGAA
AAGCCCCAAGGCCACCCCAACCAGGAGGCCACAGCAGAAACCACTCAGCCTGGAAAGCCCCAAGGCC
CACCCCAACCAGGAGGCCACAGCAGAGACCTCTCAGCCAGGAAACCAAGGCCACCAAGGTCC
CCAATTGGACAGACCACAGGGATCTTCCAGAGTTTGGTCTCTCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RR214562 representing NM_001024983 Red=Cloning site Green=Tags(s)
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MLVVLFTAVLLTSLYAQEPQLSLDQTPNQKPPPPGFPFRPPANGSQQGGPPQGPPQKPPQPGKPPQGPT
PPGGPQQKPPQGNQQGPPPPGGPQQKPPQPEKPQGGPPPGGPQQRPPQGNQQGPPPPGGPQQKPPQPE
KPQGGPPPGGPQQKPPQPGKPPQGGPPPGGPQQRPPQGNQQSPQGPQLDRPQGSFQSLGPQ

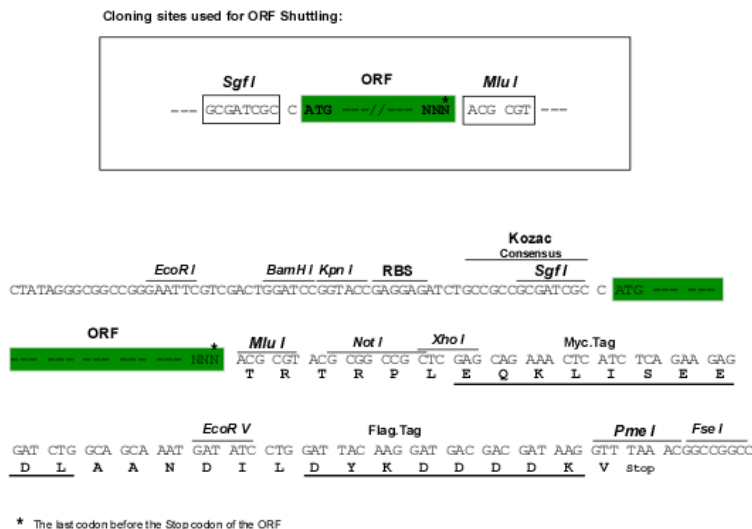
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001024983

ORF Size: 606 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_001024983.1](#), [NP_001020154.1](#)

RefSeq Size: 881 bp

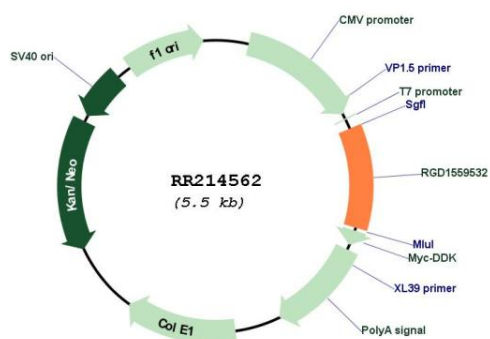
RefSeq ORF: 609 bp

Locus ID: 297671

Cytogenetics: 4q42

MW: 20.8 kDa

Product images:



Circular map for RR214562