

Product datasheet for **RR205501**

Zc3h15 (NM_001010963) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zc3h15 (NM_001010963) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zc3h15
Synonyms:	MGC95079
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR205501 representing NM_001010963
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCCCAAGAAACAGGCTCAGGCCGGGGCAGCAAGAAGCGGAGCAGAAGAAGAAGGAGAAGATCA
 TCGAGGACAAAACCTTTTGGACTAAAGAATAAGAAGGGAGCAAAACAACAGAAATTTATTAAGGCTGTCAC
 TCATCAAGTGAAATTTGGACAACAGAATCCTCGTCAGGTAGCACAAAGTGAAGCTGAAAAGAAATTGAAG
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 TAAGTAAAGGTGCGGACCCCAATCTGTGGTGTGCGCATTCTTCAAACAGGGACAGTGTACTAAAGGAGA
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 CTTCTCTGGGTTTGTGCTAAAGAAAGACAAAAGAAAGAAAGAAAGAAAGATGAAATATCATTAGAAG
 ATCTAATTGAAAGAGAGCGTTCTGCCCTAGGTCCAAATGTTACCAAAATCACTCTAGAATCTTTCTTGC
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 TGGCTGAAAATGGTGAAGAAGTATTTGGATGAGGACAGCGGAGGGGAGGACAGGAAAATGGGTCCAT
 CGATGCTGTTCTGTGATGAAAACCTGTTCACTGGTGAAGATCTGGATGAAGTGAAGAAGAATTAAAC
 ACACTTGATTTAGAAGAA

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Protein Sequence:

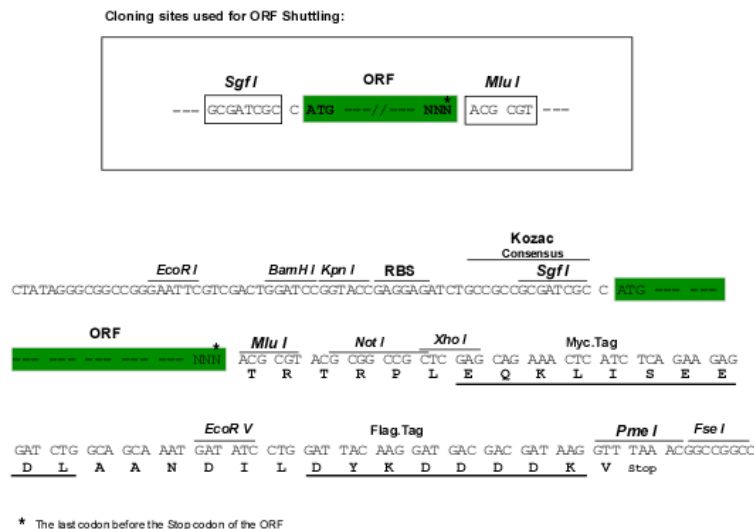
>RR205501 representing NM_001010963
 Red=Cloning site Green=Tags(s)

MPPKKQAQAGGSKAEQKKKEKIIEDKTFGLKNKKGAKQKFIKAVTHQVKFGQQNPRQVAQSEAEKKLK
 KDDKKKELQELNELFKPVVAAQISKGADPKSVCAFFKQGQCTKGDKCKFSDLTLEKCEKRSVYIDA
 RDEELEKDTMDNWDEKKLEEVNKKHGEAEKKPKTQIVCRHFLEAIENNKYGWFVWCPGGDNCMYRHA
 LPPGFVLKDKKKKEKEDEISLEDLIERERSALGPNVTKITLESFLAWKKRKRQEKIDKLEQDMERRKAD
 FKAGKALVISGREVFEPFELVNDDDEEADTRYIQGTGGDEVDVSVGVNDIDL SLYVPDVEETGITVA
 SLERFSTYASDKDENKLSEASGLAENGERSDLDEDSGGGGQENGSIDAVPVDENLFTGEDLDELEELN
 TLDLEE

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001010963

ORF Size: 1278 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_001010963.1](#), [NP_001010963.1](#)

RefSeq Size: 2036 bp

RefSeq ORF: 1281 bp

Locus ID: 362154

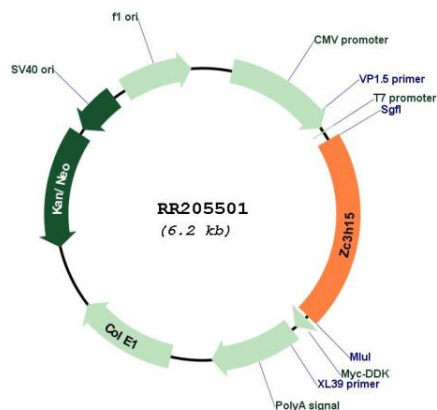
UniProt ID: [Q6U6G5](#)

Cytogenetics: 3q24

MW: 48.3 kDa

Gene Summary: Protects DRG1 from proteolytic degradation. Stimulates DRG1 GTPase activity likely by increasing the affinity for the potassium ions.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR205501