

Product datasheet for **RR212566**

Wiz (NM_001108064) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wiz (NM_001108064) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wiz
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR212566 representing NM_001108064
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGGGTTACTGGCAGGTGGCTGGCTGCCCGGATCGTCTCGAGGCCAGAGAGACTGCCTGGCC
 CAGCTCCAAGAGAGGACATCGAGGGTGGGGCTGAGGCTGCCGAAGGGGAAGGTGATATTTTCGATCTTC
 AACTACCTGCCATCACCAAGGAAGGCCCTCGAGACATTCTGGATGGCAGAAGTGGCATTCTGTGGCT
 AACTTCGACCCGGGCACCTTTAGCCTGATGAGATGTGACTTCTGTGGGGCTGGTTTTGATACCCGGGCTG
 GCCTCTCCAGTCATGCCCGGGCCACCTTCGTGACTTTGGCATCACCAACTGGGAGCTTACCATCTCACC
 CATCAACATCCTGCAGGAGCTGTTGGCCACCTCAGCAGCTGAGTTACCCCAAGTCCCCTGGGCCGTGAG
 CCTGGTGGGCTCCTGGAAGCTTCTGACTTCACGACGGCCACGCTTACCTCTCACCATGCCCTTCCCAC
 CTACCTGGGCTGAGGACCCTGGGCCAGTCTACGGAGATGCCAGAGCCTGACCACCTGTGAGGTCTGCGG
 TGCTGCTTTGAGACACGAAAGGGCCTGTCAGCCACGCACGTTACATCTGCGGCAGCTTGGGGTCGCA
 GAGTCAGAAAGCAGTGGTGTCTCCATCGACCTCCTCTACGAGCTGGTGAACAGAAAGGGCCTGCCTGACG
 CTCCCCTTGGGCTGCCCCCTAACCTGACCAAGAAGTCAAACCTACCAAAGGAGTTCGTTGCTGGGGCTGC
 CAGGCCTGGCCTACTCACCTGGCCAAACCTATGGATGCCCTGTGTAACAAAGCCATCAAAATCACCT
 CCTGGCTTCTCAGCCAAGGGCCTGACCCACCCATCCAGCTCTCCACTCCTCAAGAAGGCCCACTGACTC
 TGGCAGGATCCCCTACACCAAGAATCCTGAGGACAAGAGCCCCAGCTGTCCCTGAGTCCCCGGCCAAC
 TTCCCCAAAGGCTCAATGGCCCCAGTCTGAGGATGAGGGGCCGCTGAATCTCACTTCAGGCCAGAGCCA
 ACCAGAGATATCCGGTGCAGTTCTGTGGTGTGAGTCTTTGAGAACAGAAAGGGCCTGTCTAGCCATGCGC
 GCTCCCACCTGCGCCAGATGGGTGTGACTGAGTGGTATGTGAATGGCTCGCCCATCGACACACTGCGGGA
 AATCCTGAAGAGACGGACCCAATCCAGGCCAGGTGGACACCTCCACCCAGGTCCTAGTCCAAAAGCC
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 TCCTCCCACGGCCCGGAAGATGTTCTCAGGCCTTGTACACCCTCCCTGCCAAGAAACTGAAGCCTGAA
 CATATGAGAGTGGAGATCAAGAGGGAGATGCTGCCAGGGGCCCTCATGGGGAGCCACACCCATCTGAGG
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 TATCCGGTGCAGTTCTGTGGTGTGAGTCTTCGAGAACCAGAAAGGGCCTATCCAGCCATGCACGCTCCCAC
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 CCAGGAAAACCAGGAGCTGGGCCAACCCAGGTTCCCCGGGAGCTCAGCCTGTACCCATCACAGGGTCCA
 AGCCCTCAGCTACGAGCTACCTGGGCCAGTGGCAACCAAGCGGCCCTCCAGGAGGACCGATTCTCCC
 AGCAGAGGTCAAGGCCAAGACCTACATCCAGACTGAACTGCCCTCAAGGCAAAGACTCTCCATGAGAAG
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 CGCCCCTTTACCAAGAAGTTCGCGAGTGTGCCATGGCCGTGACAGTGATAAGCGGCCACCCCTGGGGC
 TGGCACCTGGGGCCTGTCCCTGGTTGGCCGAAGTGTGGGGACGAACAGGGCCTGAAGCTGGCAGGGC
 AGCTGACAGTGGTGAACGGCCTCTGGCAACCAGCCACCTGGGACCGTGAAGTCAGAGGAGCATCAGCGG
 CAAAATATCAACAAGTTTGAACGCAGACAAGCCCGCCCTCAGATGCCTCTGCAGCTCGGGGTGGTGAAG
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 CCTGGTGCCTCGGCCCCCAACGTCACTGGTCAAGTTGTGGGCAACATCTACACCCTAAGTGCAGG
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 TCCTGGAGATGAATTTTCCAAAGCAGACCTCCGCCTGAGGAGCCCCAGCCCCGAGGCACAGACAGC
 AGCTATAGAGGCACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212566 representing NM_001108064
 Red=Cloning site Green=Tags(s)

MEGLLAGLAAPDRPRGPERLPGPAPREDIEGGAEAAEGEGDIFRSSHYPITKEGPRDILDGRSGISVA
 NFDPGTFLMRCDFCGAGFDTRAGLSSHARHLRDFGITNWELTISPINILQELLATSAELPPSPLGRE
 PGGPPGSFLTSTRPRLPLTMPFPPTWAEDPGPVYQDAQSLTCEVCGACFETRKGLSSHARSHLRQLGVA
 ESESSGAPIDLLYELVKQKGLPDAPLGLPPNLTKKSNPKKEFVAGAARPLLTLAKPMDAPAVNKAIKSP
 PGFSAKGLTHPSSPLLKAPLTLAGSPTPKNPEDKSPQLSLSPRPTSPKAQWPQSEDEGPLNLTSGPEP
 TRDIRCEFCGEFFENRKGLSSHARSHLRQMGVTEWYVNGSPIDTLREILKRRTQSRPGGHLHPPGSPKA
 LAKMVGSAGPGSSLEARSPDLHISPLAKKLPLPPGSPLGHSPTASPPPTARKMFSGLATPSLPKLLKPE
 HMRVEIKREMLPGALHGEPHPSEGPWGAPREDMAPLNLSRAEPVRDIRCEFCGEFFENRKGLSSHARSH
 LRQMGVTEWVNGSPIDTLREILKSKLCLIKKEPPAGDLAPALTEDGSPTAAPGVMHSPLPLSPLATR
 PGKPGAGPTQVPRELSLSPITGSKPSATSYLGPVATKRPLQEDRFLPAEVKAKTYIQTELPFKAKTLHEK
 TSHSSTEACCELCGLYFENRKALASHARHLRQFVTEWCVNGSPIETLSEWIKHRPQKVGAYRSYIQGG
 RPFTKKFRSAGHGRSDKRPLGLAPGGLSLVGRSAGDEPGPEAGRAADSGERPLATSPPGTVKSEEHQR
 QNINKFERRQARPSDASAARGGEEANDLQKLEEVRRQPPPRVVPVSLVPRPPQTSLVKFGVNIYTLKCR
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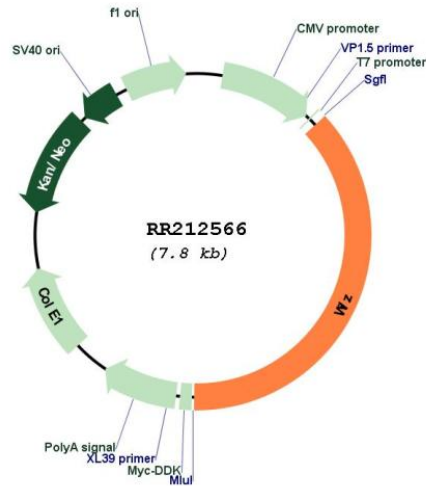
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001108064

ORF Size: 2886 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_001108064.1](#), [NP_001101534.1](#)

RefSeq Size: 3959 bp

RefSeq ORF: 2889 bp

Locus ID: 314598

Cytogenetics: 7q11

MW: 103.6 kDa