

Product datasheet for **RR212096**

Ddx56 (NM_001004211) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx56 (NM_001004211) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ddx56
Synonyms:	Ddx21; RH-II/Gu
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR212096 representing NM_001004211
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGCAGTTGCTTCTCCACAAGAAGGCGACAGTCCCCTAATGGAACAAGCTGTGAGGGCCTTGCTCC
 TTGTTCCCTACTAAGGAGCTGGCAAGGCAGGCCAGTCCATGATCCAGCAGCTGGCCTCCTACTGTGCTCG
 CGATGTGAGAGTGCTAATGTCTCAGCCCTGAAGACTCAGTTCTCAGAGAGCTGTGTTGATGGAGAAG
 CCCGATGTGGTGGTGGGGACCCATCCCGGATATTAAACCACTTGCAGCAGAAAACTTGAACCTCCGGG
 ACTCTCTGGAGCTGCTGGTAGTGGACGAAGCTGACCTTCTTTTTCTTTGGCTTTGAGGATGAACCTCAA
 GAGTCTTCTCTGCTCACTTGCTCGGATTTACCAGGCTTTTCTCATGTGCGCCACTTTCAATGAGGATGTG
 CAAACCTGAAGGAGCTAGTGTACATAACCCGGTTACTCTCAAGTTACAGGAGTCCCAGCTGCCGGGGC
 CAGATCAGCTCCAGCAGTTTCAGGTGGTCTGTGAGACTGAGGAAGACAAGTTCTTGCTGCTACGCTCT
 GCTCAAGCTGTCCCTGATCCGGGGCAAAGCGCTTCTCTTTGTCAACACTTAGAGAGAGGTTACCGGCTC
 CGTCTTTTCTGGAGCAGTTCAGCATCCCTCCTGCGTGTCAATGGAGAACTCCCACTGCGCTCCAGGT
 GCCACATCATCTCACAGTTCAACCAAGGCTTGTATGATTGCGTCAATAGCCACAGACGCAGAAATCCTGGG
 ACCCAAGTCAAAGCAAGCGGCAAGGCCGCGGGTCAAAGGAGACAAGGCATCTGATCCTGAGTCAGGT
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 GAAAGAAACGGAGAAAGATGCCCTTCTCTAGAAAGGCTAAGAAGGTGAAGACCCAGAACCCACTGCGTGA
 CTTCAAGCACAGGGGAAGAAGCCTAAACCCACAGCAAAGCCTTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence:

>RR212096 representing NM_001004211
 Red=Cloning site Green=Tags(s)

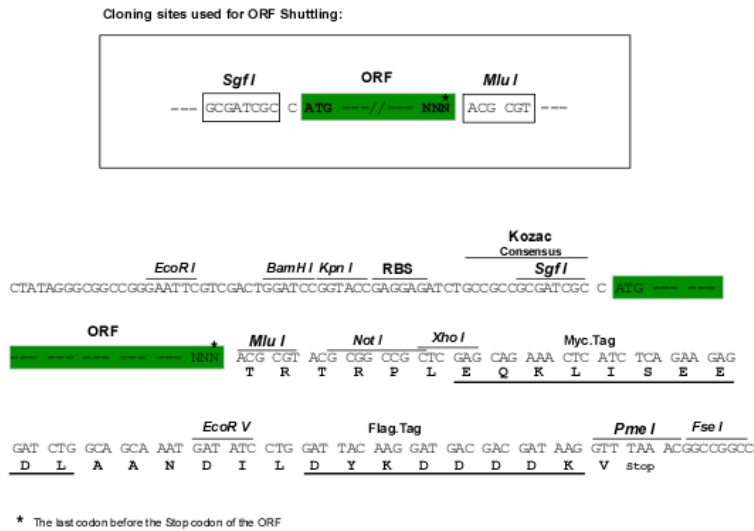
MLQLLLHKKATGPVMEQAVRGLVLPVKELARQAQSMIQQLASYCARDVRVANVSAEASQRAVLMEK
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 QTLKELVHNPTLKLQESQLPGPDQLQFQVVCETEEDKFLLLYALLKLSLIRGKALLFVNTLERYRL
 RLFLEQFSIPSCVLNGLPLRSRCHIIISQFNQGLYDCVIATDAEILGPQVKAKRQGRGSKGDKADPESG
 VARGIDFHHVSAVLNFDLPPTAEAYVHRAGRTARANNPGIVLTFVLPTEQSSLGKIEELLSGEQAPILL
 PYQFQMEIEISFRYRCRDAMRSVTKQAIREARLKEIKEELLHSEKLKTYFEDNPRDLQLLRHDLPLHPAV
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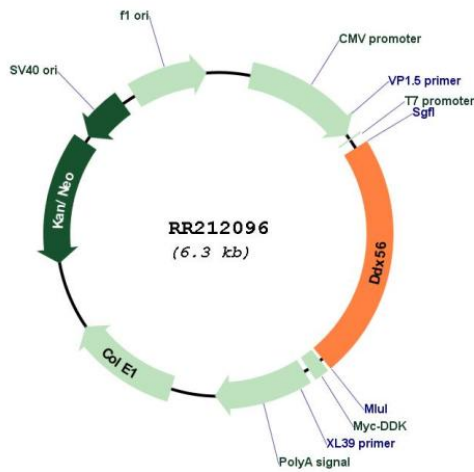
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001004211

ORF Size:

1446 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_001004211.1](#), [NP_001004211.1](#)

RefSeq Size: 1966 bp

RefSeq ORF: 1449 bp

Locus ID: 289780

Cytogenetics: 14q21

MW: 54.5 kDa