

Product datasheet for **RR209793**

Ddx59 (NM_001005535) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx59 (NM_001005535) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ddx59
Synonyms:	MGC93714
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR209793 representing NM_001005535
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGTTTGTCCAAGATCTTTGAACTCAAGAGGAATTCTAATGATGACCTCAAAGCTGCGAAGCCAAAA
 AAAGTAAGCCAGAAGCGGCAGGCCTTCAGCTGGAAGGAAACAGAGAACTCTGGTCCTCGAATCAGTTAC
 TAAGGAAGCTGTACAGCAGACAGGCCCGCAGTGCATCGAGCAGATCCAGCCCTCTTGCCAGTTGGCT
 GAGGTTTGTTCACAGGACCTGATCAGGGTGTGAAGGACAGCCACCCATCTGAAGAGCCGGTAAAGTCAT
 TTTCCAAAACCCAGCGGTGGCCAGAACCTGGGGAGCCCGTCTGTGTTGTCTGCGGTGTTACGGAGAGTA
 TATTTGTGACAAGACCGACGAAGACGTGTAGCTTGGAGTGCAAAGCAAACATCTGCTGCAAGTTAAG
 GAAGAGGAAGGATCATTAAACCCAGCAGCCACAGGGAGCTGCTCCGAGCCAGAGTCCCACTGGATG
 CCTTTTATGTCTACAAAGAGCACCCCTTTATTGTGGCCCTCAGGGACGACCAGATTGAAACCTTAAACA
 GCAGCTAGGAATCTCAGTCCAAGGACAAGAAGTTGCCAGGCCATTATTGACTTCGAGCACTGTGGCTTC
 CCCGAGACCTTAAATCAGAACTTGAAGAAGTCAGGCTACGAAGTGCCAACTCCCATCCAGATGCAGATGA
 TTCTGTGGGGCTTCTGGGAAGAGACATTCTGGCCAGCGCAGACACTGGCTCAGGGAAAACGGCAGCTTT
 TCTCTACCTGTAATTATCCGAGCTTTACCTGAGGATAAACTCCATCTGCACTATTCTCACACCAACA
 CGAAGTGGCCATTAGATAGAGAGGCGGCAAGGAAGTGTAGGGGGCTGCCTCGAATGAAGACAG
 TGCTTCTCGTGGGGGGCTTACCTTTACCCCGCAGCTCTATCGCTACAGCAGCATGTGAAGGCTGACAC
 CATGTTGAAGATGGGCTTTCAGCAGCAAGTACTGGATGTTTTGGAACACACTCCGAGCGACTGTCAGACC
 GTCTTGGTTTCTGCCACAATCCAGATAGCATAGACCAGCTTGCAGACCAGCTTCTGCATAATCCTGTGA
 GGATTGTACCCGGGGACAAGAAGCTGCCCTGCTCAGCGTGGCGCAGATCATCTGTGGTGAAGACCC
 AGCCAAAAAGAAGAAGTTGTTTGAATCCTAAATGATCAGAAGCTCTTTAAGCCTCCAGTGTAGTATTT
 GTGGACTGCAAACTTGGCGCAGATCTGCTGAGCGAGGCGGTTCAGAAGATCACAGGCCTGAGCAGCAT
 CCATCCACTCCGAGAAGTCGAGGTGGAGAGGAGGAGATACTGAAGGGACTACTGGAAGGAGACTATGA
 AGTGGTGGTGAACGCGGGATCTGGGCCGAGGCTAGATTTGGTCAACGTCAAGCTGGTGTGAATTTT
 GATATGCCTTCAAGCCTGGATGAGTATGTTACCAGGTTGGCAGAGTTGGGAGACTGGGTCAAAATGGAA
 CGGCAATTACATTCATCAATAACAACCTCTAAAGACTCTTCTGGGATGTTGCCAAAAGAGTGAAGCCAC
 GGGATCCATTCTCCGCCACAACCTTAAATTCTCTTACCTTCATGAGCAGAAGAGAAAGAACAGCAG
 AAGGACAGACAGACAGAGCAGCTGGTCACAGGGGCAACCTCATGGACATTATTAGGAAACACGAGA
 AGAGCAGTTCACAGAAG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209793 representing NM_001005535
 Red=Cloning site Green=Tags(s)

MFVPSRLKLKRNNDLKSCEAKKSKPEAAGLQLEGNRETLVLESVTKEAVTADRPGSASSTSSPSCQLA
 EVCSTGPDQGVKDSHPSEEPVKSFSKTRWPEPGEVPCVVCGRYGEYICDKTDEDVCSLECKAKHLLQVK
 EEEGLKPSSPQGAASEPESPLDAFYVYKEHPFIVALRDDQIETLKQQLGISVQGGQEVARPIIDFEHCGF
 PETLNQNLKKSgyEVPPIQMIPVGLLGRDILASADTSGSKTAAFLLPVIIRALPEDKTPSALILTPT
 RELAIQIERQAKELMRGLPRMKTVLLVGLPLPPQLYRLQQHVKADTMLKMGFQQQVLDVLEHTPSCQT
 VLVSATIPDSIDQLADQLLHNPVRIVTGDKNLPCSSVRQIILWVEDPAKKKKLFEILNDQKLFKPPVLVF
 VDCKLGADLLSEAVQKITGLSSTSIHSEKSQVERREILKGLLEGDYEVVSTGILGRGLDLVNVKLVVNF
 DMPSSLDEYVHQVGRVGRLGQNGTAITFINNNSKRLFWDVAKRVKPTGSILPPQLLNSPYLHEQKRKEQQ
 KDRQTQSSLVTGANLMDIIRKHEKSSSQK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001005535

ORF Size: 1767 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_001005535.2](#), [NP_001005535.1](#)

RefSeq Size: 2058 bp

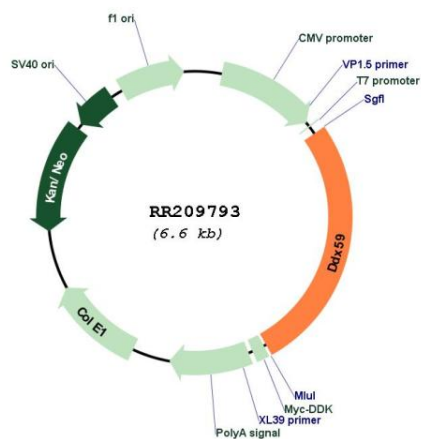
RefSeq ORF: 1770 bp

Locus ID: 289402

UniProt ID: [Q66HG7](#)

Cytogenetics: 13q13
MW: 65.1 kDa

Product images:



Circular map for RR209793