

Product datasheet for **RR209610**

Ddx58 (NM_001106645) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx58 (NM_001106645) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ddx58
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR209610 representing NM_001106645
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCGCAGAGCAGCGCAGAATCTGCAAGCATTAGAGACTATATCAAGAAGATTCTGGACCCACCT
 ACATCCTCAGCTATATGAGTTCCCTGGCTCCGGGATGATGAGGTGCAGTGCATTACAGGCCGAGAAGAACA
 CAAGGGCCCAATAGAGGCCGCTCACTGTTCTCCGGTACCTGTTGGAGCTGCAGACAGAGGGCTGGTTC
 CGGGCCTTTTTGGATGCCTGTACCATGCAGGTTACTGTGGACTTTATGAAGCCATCGAAACTTGGGACT
 TTCAAAAAGTTGAAAAGTTAGAGGAACACAGATTACTTTTAAGACGTTTAGAGCCGGAATTTAAGCCAC
 AGTTAGCCCGACAGATATCCTTTCTGAAATATCTGAATGTTTGATTAATCAGGAATGTGAAGAAATCAGA
 CAGATCTGCTTCACTAAAGGGAGGATGGCGGTGCGGAGAAGATGGTCCAATGTCTTCTCAGATCCGATA
 AGGAGAAGTGGCCAAAGTTTTGCAGTTTGTCTTGGAGAAAGACAACAGCAAGTTTAGTGAAGTGTGGCT
 CGTCGATAAAGGTGTGAGAAGGTTGACTGTAAGGCTGTTGAGGATGACGGAACAGAGATGGCCAGCATA
 CAGATTTTCATTAGGAAGAACCGGAGTGTGAGAATCTCAGTCAAGTCCCGGCCCTCCTCAGAAGCGT
 CTCTAATAATTACACAGCCCATTGAAACCAAGAAATACCAACTGGAGCTTGCCTGCCTGCCAAGAA
 AGGGAAAAATACAGTAATATGTGCTCCTACTGGTTGTGGAAAAACCTTTGTGTCGTTTCTCATATGCGAA
 CATCATCTTAAAACTTTCCGCACGGACAGAAAGGAAAGTGGTCTTTTTGCTAACCAGATCCCTGTGT
 ATGAACAGCAGGCCACTGTGTTCTACGATATTTGAAAGATTTGGGTACAATGTGCGCCGCATTTCCGG
 GGCAACGGCTGATAATGTGTCAGTGCAGCACATCATTGAAACAATGACATCGTCATCCTGACACCCAG
 ATCTTTGTGAACAGTCTCAACAATGGAGCCATCCCCTCGCTGTCTGTCTTCACTCTGATGATATTCGACG
 AGTGTCTAACAACAGCAAAACACCACCCGTACAACAGATCATGTTGAGATACCTAGATCACAACCTCGG
 AGGGTCAACCCGACCCACTGCCTCAGTCAATGGGCTGACTGCTCCGTTGGTGTGGAGATGCTAAAACC
 GTGGAGGAAGCCATGCTGCACATCTGCAAACTCTGTGCCGCCCTCGATGCCTCAGTGATTGCCACAGTCA
 GAGACAACGTGGAAGAACTGGAGCAGGTTGTTTATAAGCCTCAGAAAATTTCCAGGAAAGTGAATCACG
 GGCTTCGAACACGTTTAAATGCATCATATCTCAGCTGATGAGGGAGGCAGAGAGGCTGGCGAAGAAGCTC
 TCTGAGGAACTTGGAAAGTTCTTTCAAATTCAAAATCGAGAATTTGGCACCCAGAAATATGAGCAGTGGA
 TTGTGCGCCGTTCAAAAGCATGCACGGTGTTCAGATGCCTGACAAGATGAGGAGAGCAGGATCTGCAA
 GGGCTCTTTCTGTACACCTCCCACTTGGCGAAATACAACGACGCCCTCATCATCAGCGAGGATGCACAG
 ATGAAAGACGCTCTAAATTACCTCAAAGCCTTCTCCATGATGTCGAGAAGCAGCATTTGATGAGACTG
 AGCAAGATCTTACGCGGAGGTTGAAGGCTTTGAAGAAATGGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209610 representing NM_001106645
 Red=Cloning site Green=Tags(s)

MTAEQRQNLQAFRDYIKKILDPTYILSYMSSWLRDDEVQCIQAENKNGPIEAASLFLRYLLELQTEGWF
 RAFLDALYHAGYCGLYEAIETWDFQKLEKLEEHRLRLRLEPEFKATVSPDILSEISECLINQECEER
 QICFTKGRMAGAEKMQVCLLRSDKENWPKVLQFALEKDNSKSELWLVKGVRRVDCKAVEDDGTMASI
 QIFIQEEPECQNLSONPGPPSEASPNNSHSPLKPRNYQLELALPAKKGKNTVICAPTGCCKTFVSLICE
 HHLKNFPHGQKGVVFFANQIPVYEQQATVFSRYFERFGYNVAGISGATADNVSVQHIENNDIVILTPQ
 ILVNSLNGAIPSLSVFTLMIFDECHNTSKHHPYNQIMFRYLDHKLGGSPDPLPQVIGLTASVGVGDAKT
 VEEAMLHICKLCAALDASVIATVRDNVEELEQVYKPKISRKVESRASNTFKCIISQLMREAERLAKNV
 SEELGKFFQIQNREFGTQKYEQWIVAVHKACTVFQMPDKDEESRICKALFLYTSHLRKYNDALIISEDAQ
 MKDALNYLKAFFHDVREAAFDETEQDLTRRFEGFEEMD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001106645

ORF Size: 1794 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_001106645.1](#), [NP_001100115.1](#)

RefSeq Size: 4549 bp

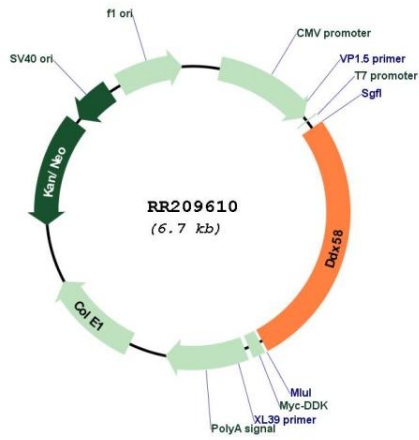
RefSeq ORF: 1797 bp

Locus ID: 297989

Cytogenetics: 5q22

MW: 68.4 kDa

Product images:



Circular map for RR209610