

Product datasheet for **MR207702**

Ddx49 (NM_001024922) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx49 (NM_001024922) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ddx49
Synonyms:	R27090_2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207702 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCGGGGTTTCGCTGAGATCGGGTTGTCGTCGTGGCTGGTAGAACAGTGTGACAGCTGGGGTTGAAGC
 AGCCACGCCGGTGCAGCTCGGGTGCATTCCGGCCATCCTGGAAGTTCGGGACTGCTTGGGCTGTGCAAA
 AACAGGAAGTGGCAAGACAGCAGCCTTTGTGCTTCCATCTTGCAGAAGCTGTCTGAGGACCTTATGGC
 ATCTTCTGCTTGGTTCTGACACCCACCAGAGAGCTGGCCTACCAGATCGCTGAGCAGTTCGGGTGCTGG
 GGAAGCCTCTGGGTCTGAAGGACTGCATCATTGTTGGTGAATGGACATGGTGGCTCAGGCGCTGGAGCT
 CTCTCGGAAGCCACATGTAGTGATTGCCACCCCTGGGCGCTGGCTGACCACCTGCGCAGTTCACCACT
 TTCAACATGAAGAAAATCCAATTCCTGGTGATGGATGAGGCCGACAGGCTGCTGGAGCAGGGTGCACCG
 ACTTCACCACAGACCTGGAGACCATCTGGCAGCCGTTCCAGCACGAAGGCAAACGCTGCTGTTCACTGC
 CACGCTGACTGACACACTCAAGGAGCTGCAGGGCCTGGCCACCAACGAGCCCTTCTTTGGGAGGCACAG
 GCCACAGTCCGCACAGTGGAGCAGCTTGATCAGCGCTATTTGTTGGTACCGGAGAAGGTGAAGGACGCCCT
 ACCTGGTTCACCTAGTCCAGACCTTCCAGGACCAGCTGGAGGACTGCTCCATCATCATCTTCACCAATAC
 CTGCAAGACCTGCCAGATCCTTTGTATGATGCTTCGAAAGTTCAACTTCCCCACAGTGGCACTGCACTCC
 ATGATGAAGCAGAAAGAGCGCTTTGCGGCCCTGGCCAAATTCAAGTCCAGCATCTATCGGATTCTTATTG
 CCACTGACGTGGCCTCAAGGGGCTGGACATCCCCACCGTGCAGGTGGTCATCAACCACAACACCCCTGG
 GCTTCCCAAGATCTACATCCATCGGGTTGGCCGACAGCCCGTGCAGGGAGGCAGGGGCAAGCCATCACA
 CTGGTGACGCAGTATGATATCCACCTGTTGCATGCCATCGAGGAGCAGATCAAGCAGCAGCTGGCAGAGC
 TGGTGGTGGAGGAGGCTGAGGTTCTACAAATCCTCACGCAGGTCAACGTAGTGCGAAGGGAGTGCAGAAAT
 AAAACTGGAGGCTTCGCATTTTGATGAAAAGAAAGAGATCAACAAGCGGAAACAGATGATCCTGGAGGGG
 AAGGACCAGACCTGGAGGCCAAACGAAAGCTGAGCTGGCCAAGATCAAGCAACAAAACCGACGCTTCA
 AGGAGAAAGTGGGCAGACACTTCGGCGGCAGAAAGCAGGGAGCACTGTCCGACGGTCGCGTCTCCAG
 ATCTCGGCCCCAAGAGCCAGCCAGGCTGAGGCTCAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207702 protein sequence
 Red=Cloning site Green=Tags(s)

MAGFAEIGLSSWLVEQCRQLGLKQPTPVQLGCIPAILEGRDCLGCAKTGSGKTAAFVLPILQKLSSEDPYG
 IFCLVLTPTRELAYQIAEQFRVLGKPLGLKDCIIVGGMDMVAQALELSRKPHVVIATPGRLADHLRSSNT
 FNMKKIQFLVMDEADRLLEQGCTDFTTDLLETILAAVPARRQTLLFSATLTDTLKELQGLATNEPFFWEAQ
 ATVRTVEQLDQRYLLVPEKVKDAYLVHLVQTFQDQLEDCSIIFNTCKTCQILCMMLRKFNFTVALHS
 MMKQKERFAALAKFKSSYIRILIAIDVASRGLDIPTVQVVINHTNTPGLPKIYIHRVGR TARAGRQQAIT
 LVTQYDIHLLHAIEEQIKQQLAELVVEEAQVQLTQVNVVRRECEIKLEASHFDEKKEINKRKQMIQLE
 KDPDLEAKRKAEALAKIKQNNRFKEKVGQTLRRQKAGSTVRRSRPPSRPQEPQAQEAQD

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001024922

ORF Size: 1440 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001024922.2](#), [NP_001020093.2](#)

RefSeq Size: 2104 bp

RefSeq ORF: 1443 bp

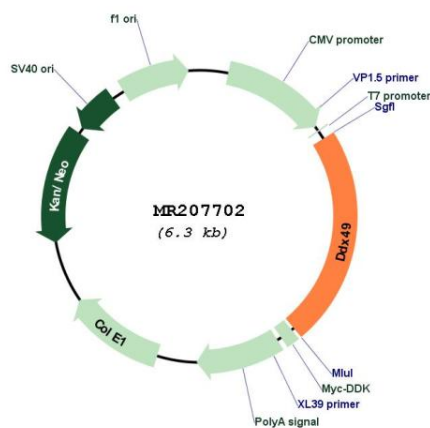
Locus ID: 234374

UniProt ID: Q4FZF3

Cytogenetics: 8 B3.3

MW: 54.1 kDa

Product images:



Circular map for MR207702