

Product datasheet for **MC227932**

Ddx6 (NM_181324) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx6 (NM_181324) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ddx6
Synonyms:	1110001P04Rik; E230023J21Rik; HLR2; mRCK/P54; p54; rck
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC227932 representing NM_181324
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCACGGCCAGAACAGAGAACCCTGTTATCATGGGTCTGTCCAGTCAGAACGGCCAGCTGAGGGGCC
 CTGTGAAGGCCAGTGCTGGCCCTGGAGGAGGGGGCACACAGCCACAGCCAGCTGAACCAGTTGAAGAA
 CACCAGCACAATCAATAATGGCACTCCACAGCAAGCCAGAGCATGGCCGCCACTATTAACCTGGTGAT
 GACTGGAAAAAGACATTAATAACTCCCTCCAAGGATCTAAGAATCAAACTTCGGATGTGACCTCCACAA
 AAGGAAATGAGTTTGAAGATTACTGTTTAAACGAGAGTTGCTAATGGGAATTTTGAATGGGCTGGGA
 AAAACCATCTCTATCCAGGAGGAGAGCATTCCCATTGCTTTATCTGGTAGGGATATCTTAGCTAGAGCA
 AAAAATGGAACAGGCAAAAGCGGTGCCTACCTCATCCCCTTACTTGAAGGCTGGACCTGAAGAAGGACA
 ATATCAAGCAATGGTGATTGTTCCCACTAGAGAATTGCTCTACAGGTCAGTCAGATTTGCATCCAGGT
 CAGCAAAACATGGGAGGGGCCAAAGTGTGGCAACCACCGGAGGAACCAATTTACGAGATGACATAATG
 AGGCTTGATGATACAGTGCATGTGGTGATCGCTACCCCTGGCAGGATCCTGGATCTCATCAAGAAAGGCG
 TGGCAAAGGTTGACCATGTCCAGATGATAGTGCTAGATGAGGCAGATAAATTGTTGTACAGGATTTTGT
 GCAGATAATGGAGGATATTATTCTCACACTACCTAAAAATAGGCAGATTTTACTATACTCCGCTACTTTC
 CCTCTTAGTGACAAAAGTTTATGAATTCCTGCAAAAACCTACGAGATAAACCTGATGGAGGAAC
 TAACTCTGAAAGGAGTAACTCAGTACTACGCATATGTAACGGAGCGCCAAAAAGTGCCTGCCTCAATAC
 ACTTTTCTCCAGGCTTCCAGATAAACCAGTCCATCATTTTCTGCAACTCCTCCCAGAGAGTCGAGCTACTC
 GCCAAGAAGATTTCTCAGCTGGGCTACTTGTCTTTTATCCATGCTAAAATGAGGCAGGAACATCGAA
 ATCGTGTCTTTTCATGATTTCCGAAATGGCTTATGCCCAATCTTGTGTTGCACTGATGTTTACCGGAGG
 TATTGATATACAAGCTGTGAATGTGTAATAAACTTTGACTTCCCAAAGCTGGCAGAGACCTATCTTCAT
 CGTATTGGAAGATCAGGTCGCTTGGTTCATCTTGGCTTAGCCATCAACTGATCACTTATGATGATCGCT
 TCAACCTGAAGAGTATTGAGGAGCAGCTGGGGACAGAGATCAAACCCATCCCAAGCAACATCGACAAGAG
 CCTGTATGTGGCAGAATACCACAGTGAGCCTGCAGAAGACGAGAAACCG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_181324
- Insert Size:** 1452 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_181324.3](#), [NP_851841.2](#)

RefSeq Size: 6033 bp

RefSeq ORF: 1452 bp

Locus ID: 13209

UniProt ID: [P54823](#)

Cytogenetics: 9 24.84 cM

Gene Summary: In the process of mRNA degradation, plays a role in mRNA decapping (By similarity). Blocks autophagy in nutrient-rich conditions by repressing the expression of ATG-related genes through degradation of their transcripts (PubMed:26098573).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 5. All five variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.