

## Product datasheet for **RC231353**

### DDX3 (DDX3X) (NM\_001193417) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DDX3 (DDX3X) (NM_001193417) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DDX3
Synonyms:	CAP-Rf; DBX; DDX3; DDX14; HLP2; MRX102; MRXSSB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RC231353 representing NM\_001193417  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAGTCATGTGGCAGTGAAAAATGCGCTCGGGCTGGACCAGCAGTTTGTCTGGCCTAGACCTGAACCTCTT  
CAGATAATCAGAGTGGAGGAAGTACAGCCAGCAGTTTCTACGATAAAGACAGTTCAGGGTGGAGTTCTAG  
CAAAGATAAGGATGCGTATAGCAGTTTTGGATCTCGTAGTGATTCAAGAGGGAAGTCTAGCTTCTTCAGT  
GATCGTGGAAAGTGGATCAAGGGGAAGTTTTGATGATCGTGGACGGAGTGATTACGATGGCATTGGCAGCC  
GTGGTGACAGAAGTGGCTTTGGCAAATTTGAACGTGGTGGAAACAGTCGCTGGTGTGACAAATCAGATGA  
AGATGATTGGTCAAAACCACTCCACCAAGTGAACGCTTGAACAGGAACCTTTTTCTGGAGGCAACACT  
GGGATTAATTTGAGAAATACGATGACATTCCAGTTGAGGCAACAGGCAACAACCTGCTCCACATATTG  
AAAGTTTCAGTGATGTTGAGATGGGAGAAATTATCATGGGAAACATTGAGCTTACTCGTTATACTCGCCC  
AACTCCAGTGCAAAAGCATGCTATTCTATTATCAAAGAGAAAAGAGACTTGATGGCTTGTGCCAAACA  
GGGTCTGGAAAACTGCAGCATTCTGTGGCCATCTTGAGTCAGATTTATTCAGATGGTCCAGGCGAGG  
CTTTGAGGGCCATGAAGGAAAATGGAAGGTATGGGCGCCGCAAAACAATACCCAATCTCCTTGGTATTAGC  
ACCAACGAGAGAGTTGGCAGTACAGATCTACGAGGAAGCCAGAAAATTTTCATACCGATCTAGAGTTCTG  
CCTTGGCTGGTTTATGGTGGTGGCGATATTGGTCAGCAGATTCGAGACTTGAACGTGGATGCCATTTGT  
TAGTAGCCACTCCAGGACGTCTAGTGGATATGATGGAAAGAGGAAAGATTGGATTAGACTTTTCAAATA  
CTTGGTGTAGATGAAGTGTATCGGATGTTGGATATGGGGTTTGAGCCTCAGATTCGTAAGTATAGTCGAA  
CAAGATACTATGCCTCCAAGGGTGTCCGCCACACTATGATGTTAGTGCTACTTTTCTAAGGAAATAC  
AGATGCTGGCTCGTGATTTCTTAGATGAATATATCTTCTTGGCTGTAGGAAGAGTTGGCTTACCTCTGA  
AAACATCACACAGAAAGTAGTTTGGGTGGAAGAATCAGACAAACGGTCATTTCTGCTTGACCTCCTAAAT  
GCAACAGGCAAGGATTCAGTACCTTAGTGTGGTGGAGACCAAAAAGGGTGCAGATTCCTGGAGGATT  
TCTTATACCATGAAGGATACGCATGTACCAGCATCCATGGAGACCGTTCTCAGAGGGATAGAGAAGAGGC  
CCTTACCAGTTCGCTCAGGAAAAAGCCCAATTTAGTGGCTACAGCAGTAGCAGCAAGAGGACTGGAC  
ATTTCAAATGTGAAACATGTTATCAATTTTGACTTGCCAAGTGATATTGAAGAATATGTACATCGTATTG  
GTCGTACGGGACGTGTAGGAAACCTTGGCCTGGCAACCTCATTCTTTAACGAGAGGAACATAAATATTAC  
TAAGGATTTGTTGGATCTTCTTGTGAAGCTAAACAAGAAGTCCCGTCTGGTTAGAAAACATGGCTTAT  
GAACACCACTACAAGGTAGCAGTCGTGGACGTTCTAAGAGTAGCAGATTTAGTGGAGGTTTGGTGCCA  
GAGACTACCGACAAAGTAGCGGTGCCAGCAGTTCCAGCTTCAGCAGCAGCCGCGCAAGCAGCAGCCGAG  
TGGCGGAGGTGGCCACGGTAGCAGCAGAGGATTTGGTGGAGGTGGCTATGGAGGCTTTTACAACAGTGAT  
GGATATGGAGGAAATTATAACTCCAGGGGTTGACTGGTGGGTAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**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\\_001193417.3](#)

**RefSeq ORF:** 1941 bp

**Locus ID:** 1654

**UniProt ID:** [O00571](#)

**Cytogenetics:** Xp11.4

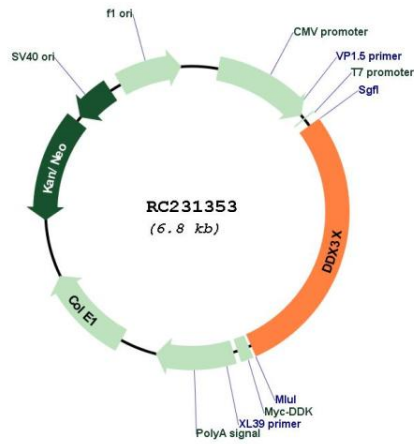
**Protein Families:** ES Cell Differentiation/IPS

**Protein Pathways:** RIG-I-like receptor signaling pathway

**MW:** 71.8 kDa

**Gene Summary:** The protein encoded by this gene is a member of the large DEAD-box protein family, that is defined by the presence of the conserved Asp-Glu-Ala-Asp (DEAD) motif, and has ATP-dependent RNA helicase activity. This protein has been reported to display a high level of RNA-independent ATPase activity, and unlike most DEAD-box helicases, the ATPase activity is thought to be stimulated by both RNA and DNA. This protein has multiple conserved domains and is thought to play roles in both the nucleus and cytoplasm. Nuclear roles include transcriptional regulation, mRNP assembly, pre-mRNA splicing, and mRNA export. In the cytoplasm, this protein is thought to be involved in translation, cellular signaling, and viral replication. Misregulation of this gene has been implicated in tumorigenesis. This gene has a paralog located in the nonrecombining region of the Y chromosome. Pseudogenes sharing similarity to both this gene and the DDX3Y paralog are found on chromosome 4 and the X chromosome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]

Product images:



Circular map for RC231353