

Product datasheet for **SC117258**

DDX3Y (NM_004660) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX3Y (NM_004660) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDX3Y
Synonyms:	DBY
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC117258 sequence for NM_004660 edited (data generated by NextGen Sequencing)

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ATGAGTCATGTGGTGGTAAAAATGACCCTGAACTGGACCAGCAGCTTGCTAATCTGGAC
CTGAACTCTGAAAAACAGAGTGGAGGAGCAAGTACAGCGAGCAAAGGGCGCTATATACCT
CCTCACTTAAGGAACAGAGAAGCATCTAAAGGATTCCATGATAAAGACAGTTCAGGTTGG
AGTTGCAGCAAAGATAAGGATGCATATAGCAGTTTTGGGTCTCGAGATTCTAGAGGAAAG
CCTGGTTATTTTCAGTGAACGTGGAAGTGGATCAAGGGGAAGATTTGATGATCGTGGACGG
AGTGACTATGATGGTATTGGCAATCGTGAAAGACCTGGCTTTGGCAGATTTGAACGGAGT
GGACATAGTCGTTGGTGTGACAAGTCAGTTGAAGATGATTGGTCAAAACCACTTCCACCA
AGTGAACGCTTGGAGCAAGAAGTGTCTGGAGGAAACACGGGGATTAACCTTTGAGAAA
TATGATGATATACCAGTAGAGGCAACCGGCAGTAACTGTCCTCCACATATTGAGAATTTT
AGCGATATTGACATGGGAGAAATATCATGGGGAACATTGAACTACTCGCTATACTCGT
CCTACTCCAGTGCAAAAACATGCCATTCCTATTATTAAGGGAAAAAGAGACTTAATGGCT
TGTGCCAAAACAGGATCTGGGAAAACGAGCATTCTTTTACCATACTGAGTCAGATA
TATACAGATGGTCCAGGAGAAGCTTTGAAGGCTGTGAAGGAAAAAGGAAGGTATGGGCGC
CGCAAACAATATCCAATATCCTTGGTTTTAGCCCAACAAGAGAATTGGCTGTACAGATC
TATGAGGAAGCCAGAAAATTTCTACCGATCTAGAGTTCGTCCTTGTGTAGTTTATGGT
GGTGTGATATTGGTCAGCAGATTCCGGACTTAGAACGTGGATGCCACTTGTAGTAGCC
ACTCCAGGACGCTAGTGGATATGATGGAAAGAGGAAAGATTGGATTAGACTTCTGCAAG
TACTTAGTGTGGATGAAGCTGATAGGATGCTGGATATGGGATTTGAACCTCAGATACGT
CGTATAGTTGAACAAGATACTATGCCACCAAGGGCGTTCGTACACCATGATGTTTAGT
GCTACTTTTCTAAGGAAATACAGATGCTTGTCTCGTGACTTTTTGGATGAATATATCTTT
TTGGCTGTAGGCAGAGTAGGCTCTACCTCTGAGAACATCACACAGAAAGTAGTTTGGGTG
GAAGACTTAGATAAACGGTCATTTCTACTGGACATTTTAGGTGCAACAGGGAGTGATTCA
CTTACTTTAGTGTGTGGAGACCAAAAAGGGAGCAGATTCCTGGAGGATTTCTTATAC
CATGAAGGATATGCTTGTACTAGTATTCATGGAGACCGGTACAGAGAGATCGAGAGGAG
GCCCTTACCAGTTTCGCTCAGGAAAAAGCCCAATTCTAGTGGCTACAGCTGTGGCAGCA
CGAGGACTAGACATTTCAAATGTGAGACATGTTATCAATTTTGATTTGCCAAGTGATATT
GAAGAATATGTGCATCGTATTGGCCGTACAGGACGTGTAGGAAACCTGGGCCTTGCCACC
TCATTCTTTAATGAAAAAATATGAATATTACAAAGGATTTGTTGGATCTTCTTGAGAA
GCTAAACAAGAAGTGCCTTCTTGGTTGGAAAATATGGCTTATGAACACCACTACAAGGT
GGCAGTCGTGGACGATCTAAAAGTAATAGATTCAGTGGAGGATTTGGTGCCAGAGACTAT
CGACAAAGTAGTGGTTCCAGCAGTTCTGGCTTTGGTGCTAGTCGCGGAAGCAGCAGCCGC
AGTGGTGGAGGTGGTTACGGCAACAGCAGAGGATTTGGTGGAGGTGGCTATGGAGGCTTC
TACAATAGTGATGGATATGGAGGAAATTATAACTCCCAGGGGTTGACTGGTGGGGCAAC
TGA
    
```

Clone variation with respect to NM_004660.3

- Restriction Sites:** Please inquire
- ACCN:** NM_004660
- Insert Size:** 4110 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).
- 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:	<ol style="list-style-type: none">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_004660.2 , NP_004651.2
RefSeq Size:	4416 bp
RefSeq ORF:	1983 bp
Locus ID:	8653
UniProt ID:	O15523
Cytogenetics:	Yq11.221
Domains:	DEAD, helicase_C
Protein Pathways:	RIG-I-like receptor signaling pathway
Gene Summary:	<p>The protein encoded by this gene is a member of the DEAD-box RNA helicase family, characterized by nine conserved motifs, included the conserved Asp-Glu-Ala-Asp (DEAD) motif. These motifs are thought to be involved in ATP binding, hydrolysis, RNA binding, and in the formation of intramolecular interactions. This protein shares high similarity to DDX3X, on the X chromosome, but a deletion of this gene is not complemented by DDX3X. Mutations in this gene result in male infertility, a reduction in germ cell numbers, and can result in Sertoli-cell only syndrome. Pseudogenes sharing similarity to both this gene and the DDX3X paralog are found on chromosome 4 and the X chromosome. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2014]</p> <p>Transcript Variant: This variant (2) differs in the 5' and 3' UTRs compared to variant 1. Both variants 1 and 2 encode the same isoform (1).</p>