

## Product datasheet for **SC318965**

### DDX3Y (NM\_001122665) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DDX3Y (NM_001122665) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDX3Y
Synonyms:	DBY
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_001122665 edited  
 AGAGGGGTCTGGAGTTCCCTAGGTGAACCCAGCAGCCTAACCTGTCAAGTCTGTGAGC  
 CTCTGGCTGGTCACACGTGCTGCGGAATCCACTCAGCTTTCCTCAGGTGCAGTCAGGTCC  
 ATCCTGCAGAGGGACCTTCTGCGGACCTGTTCTTTACCTCCCTAACCTGAAGATTGAT  
 TCAAACCACCGTGGATCGCTCACGTAATAATGGTCACTGCGCCTAACACCTGGGATCCCGT  
 AACCTTATCTATCTTGGCTTCAGAGAGTTTTTTGACTAGTTCCTAACCTTTGCTGAAGCTT  
 GTCAAAGGATGAGTCATGTGGTGGTAAAAATGACCTGAACTGGACCAGCAGCTTGCT  
 AATCTGGACCTGAACTCTGAAAAACAGAGTGGAGGAGCAAGTACAGCGAGCAAAGGGCGC  
 TATATACCTCCTCACTTAAGGAACAGAGAAGCATCTAAAGGATTCCATGATAAAGACAGT  
 TCAGGTTGGAGTTGCAGCAAAGATAAGGATGCATATAGCAGTTTTGGGTCTCGAGATTCT  
 AGAGGAAAGCCTGGTTATTTTCAGTGAACGTGGAAGTGGATCAAGGGGAAGATTTGATGAT  
 CGTGGACGGAGTACTATGATGGTATTGGCAATCGTGAAGACCTGGCTTTGGCAGATTT  
 GAACGGAGTGGACATAGTCGTTGGTGTGACAAGTCAGTTGAAGATGATTGGTCAAAACCA  
 CTTCCACCAAGTGAACGCTTGGAGCAAGAACTGTTTTCTGGAGGAAACACGGGGATTAAC  
 TTTGAGAAATATGATGATATACCAGTAGAGGCAACCGGCAGTAACTGTCCTCCACATATT  
 GAGAAATTTAGCGATATTGACATGGGAGAAATTATCATGGGGAACATTGAACTTACTCGC  
 TATACTCGTCTACTCCAGTGCAAAAACATGCCATTCTATTATTAAGGGAAAAAGAGAC  
 TTAATGGCTTGTGCCAAACAGGATCTGGGAAAACCTGCAGCATTCTTTTACCCATACTG  
 AGTCAGATATATACAGATGGTCCAGGAGAAGCTTTGAAGGCTGTGAAGGAAAAATGGAAGG  
 TATGGGCGCCGCAAAACAATCCAATATCCTTGGTTTTAGCCCCAACAGAGAATTGGCT  
 GTACAGATCTATGAGGAAGCCAGAAAATTTCTACCGATCTAGAGTTCGTCCTTGTTGTA  
 GTTTATGGTGGTCTGATATTGGTCAGCAGATTCGGGACTTAGAACGTGGATGCCACTTG  
 TTATAGCCACTCCAGGACGCTAGTGGATATGATGGAAGAGGAAAGATTGGATTAGAC  
 TTCTGCAAGTACTTAGTGTGGATGAAGCTGATAGGATGCTGGATATGGGATTTGAACCT  
 CAGATACGTCGTATAGTTGAACAAGATACTATGCCACCAAGGGCGTTTCGTCACACCATG  
 ATGTTTAGTGCTACTTTTCTAAGGAAATACAGATGCTTGTGCTGACTTTTTGGATGAA  
 TATATCTTTTTGGCTGTAGGCAGAGTAGGCTCTACCTCTGAGAACATCACACAGAAAGTA  
 GTTTGGGTGGAAGACTTAGATAAACGGTCATTTCTACTGGACATTTTAGGTGCAACAGGG  
 AGTGATTCACTTACTTTAGTGTGTGGAGACAAAAAGGGAGCAGATTCCTGGAGGAT  
 TTCTTATACCATGAAGGATATGCTTGTACTAGTATTCATGGAGACCGGTCACAGAGAGAT  
 CGAGAGGAGGCCCTTACCAGTTTCGCTCAGGAAAAAGCCCAATTCTAGTGGCTACAGCT  
 GTGGCAGCACGAGGACTAGACATTTCAAATGTGAGACATGTTATCAATTTGATTTGCCA  
 AGTGATATTGAAGAATATGTGCATCGTATTGGCCGTACAGGACGTGTAGGAAACCTGGGC  
 CTTGCCACCTCATTCTTTAATGAAAAAATATGAATATTACAAAGGATTTGTTGGATCTT  
 CTTGTAGAAGCTAAACAAGAAGTGCCTTCTTGGTTGGAAAATATGGCTTATGAACACCAC  
 TACAAGGGTGGCAGTCGTGGACGATCTAAAAGTAAATAGATTTCAGTGGAGGATTTGGTGCC  
 AGAGACTATCGACAAAGTAGTGGTTCCAGCAGTCTGGCTTTGGTGTAGTCGCGGAAGC  
 AGCAGCCGAGTGGTGGAGGTGGTTACGGCAACAGCAGAGGATTTGGTGGAGGTGGCTAT  
 GGAGGCTTCTACAATAGTATGGATATGGAGGAAATTATAACTCCAGGGGGTTGACTGG  
 TGGGGCAACTGAATCTGCTTTGCAGCAAAGTCAACCTTACAAGAAGCTAATATGGAAAC  
 CACATGTAACCTTAGCCAGACTATATTGTGTAGCTTCAAGAACTTGCAGTACATTACCAGC  
 TGTGATTCCTGATAATTCAAGGGAGCTCAAAGTCACAAGAAGAAAAATGAAAGGAAAA  
 AACAGCAGCCCTATTCAGAAATTTGGTTTGAAGATGTAATTGCTCTAGTTTGGATTAACCT  
 CTTCCCTCCTGCTTTAGTGCCACCCCAACTGCATTTATAATTTTGTGACTGAGGATCG  
 TTTGTTTGTAACTGACTGTGACTTTAACTTTAGACAACCTACTACTTTGATGTCCTGTT  
 GGCTCAGTAATGCTCACGATACCAATTGTTTTGACAAAAATAATTTACTAACTTGGAAA  
 AAAAAAAAAAAAAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_001122665  
**Insert Size:** 2700 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001122665.1</a></u> , <u><a href="#">NP_001116137.1</a></u>
<b>RefSeq Size:</b>	4648 bp
<b>RefSeq ORF:</b>	1983 bp
<b>Locus ID:</b>	8653
<b>UniProt ID:</b>	<u><a href="#">O15523</a></u>
<b>Cytogenetics:</b>	Yq11.221
<b>Protein Pathways:</b>	RIG-I-like receptor signaling pathway
<b>Gene Summary:</b>	<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 (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>