

Product datasheet for **SC125285**

DDX5 (NM_004396) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX5 (NM_004396) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDX5
Synonyms:	G17P1; HLR1; HUMP68; p68
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC125285 sequence for NM_004396 edited (data generated by NextGen Sequencing)

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ATGTCGGGTTATTCGAGTGACCGAGACCGCGGCCGGGACCGAGGGTTTGGTGCACCTCGA
TTTGGAGGAAGTAGGGCAGGGCCCTTATCTGAAAAGAAGTTTGGAAACCTGGGGAGAAA
TTAGTTAAAAAGAAGTGAATCTTGATGAGCTGCCTAAATTTGAGAAGAATTTTTATCAA
GAGCACCTGATTTGGCTAGGCGCACAGCACAAGAGGTGAAACATACAGAAGAAGCAAG
GAAATTACAGTTAGAGGTCACAACTGCCGAAGCCAGTTCTAAATTTTTATGAAGCCAAT
TTCCTGCAAATGTCATGGATGTTATTGCAAGACAGAATTTCACTGAACCCACTGCTATT
CAAGCTCAGGGATGGCCAGTTGCTCTAAGTGGATTGGATATGGTTGGAGTGGCACAGACT
GGATCTGGGAAAACATTGTCTTATTTGCTTCTGCCATTGTCCACATCAATCATCAGCCA
TTCCTAGAGAGAGGCGATGGGCCTATTTGTTTGGTGTGGCACCAACTCGGGAAGTGGCC
CAACAGGTGCAGCAAGTAGCTGCTGAATATTGTAGAGCATGTCGCTTGAAGTCTACTTGT
ATCTACGGTGGTCTCCTAAGGGACCACAATACGTGATTTGGAGAGAGGTGGAAATC
TGTATTGCAACACCTGGAAGACTGATTGACTTTTTAGAGTGTGAAAAACCAATCTGAGA
AGAACAACCTACCTTGTCTTGAAGCAGATAGAATGCTTGATATGGGCTTTGAACCC
CAAATAAGGAAGATTGTGGATCAAATAAGACCTGATAGGCAAACCTCTAATGTGGAGTGCG
ACTTGGCCAAAAGAAGTAAAGACAGCTTGTGAAGATTTCTGAAAGACTATATTCATATA
AACATTGGTGCACCTGAACTGAGTGCAAACCACAACATTTCTCAGATTGTGGATGTGTGT
CATGACGTAGAAAAGGATGAAAACTTATTCGTCTAATGGAAGAGATCATGAGTGAGAAG
GAGAATAAAACCATTTGTTTTGTGGAACCAAAAGAAGATGTGATGAGCTTACCAGAAAA
ATGAGGAGAGATGGGTGGCCTGCCATGGGTATCCATGGTGACAAGAGTCAACAAGAGCGT
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GCCTCCAGAGGGCTAGATGTGGAAGATGTGAAAATTTGTCATCAATTATGACTACCCTAAC
TCCTCAGAGGATTATTCATCGAATTGGAAGAAGTCTCGCAGTACAAAACAGGCACA
GCATACACTTTCTTTACACCTAATAACATAAAGCAAGTGAGCGACCTTATCTCTGTGCTT
CGTGAAGCTAATCAAGCAATTAATCCCAAGTTGCTTCAAGTTGGTGAAGACAGAGGTTCA
GGTCGTTCCAGGGGTAGAGGAGGCATGAAGGATGACCGTCGGGACAGATACTCTGCGGGC
AAAAGGGTGGATTTAATACCTTTAGAGACAGGGAAAATTATGACAGAGGTTACTCTAGC
CTGCTTAAAAGAGATTTGGGGCAAAAACCTCAGAATGGTGTTCAGTGTGCAAAATAC
ACCAATGGGAGCTTTGGAAGTAATTTGTGTCTGCTGGTATACAGACCAGTTTTAGGACT
GGTAATCCAACAGGGACTTACCAGAATGGTTATGATAGCACTCAGCAATACGGAAGTAAT
GTTCCAAATATGCACAATGGTATGAACCAACAGGCATATGCATATCCTGCTACTGCAGCT
GCACCTATGATTGGTTATCCAATGCCAACAGGATATTCCCAATAA
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Clone variation with respect to NM_004396.3

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_004396 unedited GGGGGCGGGGCNCCNNNNNNTTTTNCNNNNCGGTTTCAGATTTGTATACAACATCATAT AGGCGGCCGCGNAATTCGCACGAGCCGGTCTCTAGTAGTGCAGCTTCGGCTGGTGCATC GGTGTCTTCTCCGCTGCCGCCCGCAAGGCTTCGCCGTATCGAGGCCATTTCCAGC GACTTGTGCACGCTTTTCTATACTTCGTTCCCGCAACCGCAACCATTTGACGCCAT GTCGGGTATTTCGAGTGACCGAGACCGCGCGGGACCGAGGGTTTGGTGCACCTCGATT TGGAGGAAGTAGGGCAGGGCCCTTATCTGGAAAGAAGTTTGGAAACCTGGGGAGAATT AGTTAAAAAGAAGTGGAATCTTGATGAGCTGCCTAAATTTGAGAAGAATTTTATCAAGA GCACCCTGATTTGGCTAGGCGCACAGCACAAGAGGTGGAACATACAGAAGAAGCAAGGA AATTACAGTTAGAGGTCACAACGCCCCAAGCCAGTTCTAAATTTTATGAAGCCAATTT CCCTGCAATGTCATGGATGTTATTGCAAGACAGAATTTCACTGAACCCACTGCTATTCA AGCTCAGGGATGGCCAGTTGCTTAAGTGGATTGGATATGGTTGGAGTGGCACAGACTGG ATCTGGGAAAACATTGTCTTATTGCTTCTGCCATTGTCCACATCAATCATCAGCCATT CCTAGAGAGAGGGATGGCCCTATTTGTTGGTGTGGCACCACCTCGGAACTGGCCCA ACAGGTGCAGCAAGTAGCTGCTGAATATTGTAGAGCATGTCGCTTGAAGTCTACTTGAT CTACNGTGGTGCCTAAGGGACCCAAATACNTGATTGGGAGAGAGGTGTGAAATCTGTA TTGCACACCTGAAGAACTGATGACTTTTANATNGTGAANAACCATCTGAGAG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_004396 unedited NNNNCCCCCTCTGGCCATGGTGATGGCACTTGCCAGGNCCAGNGANGAGCACTGGGG NAGGGAGTCACAGGGCATGCCACCCGGTACTGTTTCAGGAAACAGCTATGACCGCGGCC CAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTCAGTCTCAAATATTTTTTATTGGAA GGCCATGCATTGCCTTCAATTTATTGATTTCAAATCACTGTACATTTACTTTTGTAAAA CACTGCCTGCATTTTCTAGTACAAAAACCTAAAAATTGTTTCAGGAATGTAGAGAAA TATCCAATTAATAGCGAAAAAGTGCACCATAATTACTGCTGCACTGCAGTCATTTCTG CAATTCATGTTTCTAAAACTATCTTGTGAGATAACACACATATTAAGAGCAATTATG AAAAACAGACTTTACATACTTCTAAAGTCTTATTGGGAATATCCTGTTGGCATTGGAA TACCAATCATAGGTGCAGCTGCAGTAACAGGATATGCATATGCCCTGTTGGTTCATACCA TTGGGCTATTTGAACATTACTTCCGTATGGCTGAGTGCATATAACCATCTGTAAGT CCCTGTTGGATACCAATTCAAAACCTGGGCTGGTTCCAACAGACCCAAATTAATTTCAA GCCTTCCATGGGTGAATTTGGAGCACTGAAAAACCCTTTTTGTATTTTTTGCCAAATCT TTTTAAGCGAGCTAAAATAACCTCTGGCAAAATTTTCCCGGGCTTAAAGGGTTAAATC CCCCCTTTGGCCCAAAAATTTTTTCCCAAGGTAATCCTTAGGCCCCCTTACCCGG GAACGACCTGAACCTGTTTTTACCAAATGAAACACTTGGAAATATGCCTTGATACCC TCCCA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_004396
Insert Size:	2550 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_004396.2 , NP_004387.1
RefSeq Size:	2325 bp
RefSeq ORF:	1845 bp
Locus ID:	1655
UniProt ID:	P17844
Cytogenetics:	17q23.3
Domains:	DEAD, helicase_C
Protein Pathways:	Spliceosome
Gene Summary:	<p>This gene encodes a member of the DEAD box family of RNA helicases that are involved in a variety of cellular processes as a result of its role as an adaptor molecule, promoting interactions with a large number of other factors. This protein is involved in pathways that include the alteration of RNA structures, plays a role as a coregulator of transcription, a regulator of splicing, and in the processing of small noncoding RNAs. Members of this family contain nine conserved motifs, including the conserved Asp-Glu-Ala-Asp (DEAD) motif, important to ATP binding and hydrolysis as well as RNA binding and unwinding activities. Dysregulation of this gene may play a role in cancer development. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2017]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 through 3 encode the same isoform (a).</p>