

Product datasheet for **SC127551**

DDX11 (NM_030655) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DDX11 (NM_030655) Human Untagged Clone
Tag:	Tag Free
Symbol:	DDX11
Synonyms:	CHL1, KRG2, CHLR1, MGC9335
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_030655, the custom clone sequence may differ by one or more nucleotides

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ATGGCTAATGAAACACAGAAGGTTGGTGCCATCCATTTTCCTTTCCCTTACACCCCTATTCCATCCAGG
AAGACTTCATGGCAGAGCTGTACCGGTTTTGGAGGCTGGCAAGATTGGGATATTTGAGAGTCCAAGTGG
CACTGGGAAGTCCTTAAGTCTTATTTGTGGGGCCCTCTTTGGCTCCGTGACTTTGAACAGAAGAAGCGT
GAAGAAGAGGCACGACTCCTTGAAGTGGAACTGGCCCTTACATGATGAGAAAGATGAATCCCTGTGTC
TGTCTTCTTCTGCGAAGGGCTGCAGGCACCCGAGGCCTGCTGGAGAACCGCCTGGGTTACTCAGTT
TGTGCAGAAGAAAGAAGAGAGGGACCTGGTGGACCGACTAAAGGCGGAGCAGGCCAGGAGGAAGCAGCGA
GAAGAACGCCTGCAGCAGCTGCAGCACAGGGTGCAGCTCAAGTATGCAGCCAAGCGCCTGAGGCAGGAAG
AAGAAGAAAGAGAGAATCTCCTCCGCCTCAGCAGGGAGATGCTAGAGACAGGCCCGAGGCTGAGCGGCT
GGAGCAGCTGGAGTCTGGGGAGGAGGAGCTGGTCTCGCCGAATACGAGAGTGATGAGGAGAAAAAGGTG
GCGAGCAGGGCGCCTTCTGATGCCACCTCCAGCCGCCATCCACCAGACGCCAGCTTCCCCGCTGCCTGA
ACTTCTCCAGCGCACCAGGCCTTCTCTGTCTGTCTGAGGATTTGCTCATGCAACGTGCTGTGGCCAA
ACACCCTGCCCTCCTCCCTTGGCAGATGTCTTCTCTCTTTAAGGCCTGGCTCAGAGTGGATGAGGATG
AGGATGACCTGGAGGAAGAACACATAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_030655 unedited</p> <pre>GCGGCCGCGAATTCGCACGAGGCCGTTTCTAACNAGTGGCGTTTGCCTGATTCCCGGGG CCTGGCTTTCAGCGTAGCAATTCGGCCGGCGAAGAAGGTGAGCGCAGTGCTGTGTGGCA GCAGAGCTCCTTAGGACGAGGAGCAGCGGGACGAGGAAGGGCAGACTGGTGAAATCGCAA ACTGGGCGTCTGTTCCGNGCCGGACCCCTATTTGCAAAGGTCCATGGCTAATGAAACA CAGAAGGTTGGTCCATCCATTTTCTTTCCCTTACACCCCTATTCCATCCAGGAAGAC TTCATGGCAGAGCTGTACCGGGTTTTGGAGGCTGGCAAGATTGGGATATTTGAGAGTCCA ACTGGCACTGGGAAGTCCTTAAGTCTTATTTGTGGGGCCCTCTCTTGGCTCCGTGACTTT GAACAGAAGAAGCGTGAAGAAGAGGCACGACTCCTTGAAACTGGAAGTGGCCCTTACAT GATGAGAAAGATGAATCCCTGTGTCTGTCTTCTTCTGCGAAGGGGCTGCAGGCACCCCG AGGCTGCTGGAGAACCAGCCTGNGTTACTCAGTTTGTGAGAAGAAAGAAGAGAGGGAC CTGGTGGACCGACTAAAGGCGGAGCAGGCCAGGAGGAAGCAGCGAGAAGAAGCCTGCAG CAGCTGCAGCACAGGGTGCAGCTCAAGTATGCAGCCAAGCGCCTTNGAGCAGAAGAAGAA GAAGAGAGATCTCTCCGCTCACAGNAGTGCTANAACAGCCCGAGCTGAGCGCTGAC ACTGGGNATTGGGAGAAAGACTGGTCTCGCGATACAGAGTGATAGAG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_030655 unedited</p> <pre>TTTAGGTTCTATAGTGTGCAGGATGCAAACATCTGGGCATCAGTGACTTTTCTCCTGCC CCCCTTTGTCCCTGATGGTGGCAGAAGATCCCAGCTGACCACAGCCCCTTCTCTGGGGT CAGAGGGAGAAGACAGGCGCAGTCAGCATGGGCAGCTGTTGCAGGTGGGAGGGATATTTT CCCACAGGAACAAAGGTCTCCGTGATGACACGGGGTCTCTATAGTCATGTTGAGAGCCTA ACGGACCTTGGCATAATTGCTGGTGTGGTGTAGAAGGTGCCTTGCAGTTTGTCTCAAGTG GTTGAGAGGGAGGAGGTGCCATAGACTTGACGAACTGGCTCGAGTTTTAGCTCCATAT TCCGCCCGTCCGTGGTCTATGATAGGGAGCAGTGCCTCCTACTGTAGGTCTGACTCAGC ACCGATGAGGGGCATGGTGACATGTCCCTGTTCTGGTACCTCTGTGGCCCTGGATCATTCT TATTTTGTACCATATACCGATCTGTCCATGGCACTTTCACCCTTGTCTATAAAGGCTAA ATGTAGATGGTCCCGCCTCCTTTTCCCCTCTTTTTTTCGTGGTACGACCCGCCATTCAT CGCGGAATTCATTTCTGCCTATTTCTCCTGCGGAGACATCAATGATTTCTGTTTTTCTT TTTGCCCTGTGTACTAACCTTTCTTTCCCTCTTGGGCTCCTGTTGTATCCTCCATAGAT AGTCTTTCCCTCCGCCACTTAATGATTTCCATTTCTTTCTCCCGGTACCTATATCTTCGC CCTGGTCTTGTATCACCCGGTCCCATTCTTTCTTGGTCCCCCATTTGTCCCGTGT CTCATCCATCTCCCCGAATACTCTCTGTTTTCTTGTCAATGCCGGCCCGGTTATGGTT GGTTTGTCTCTTCCCAATAGCCTTTTTCTTCAATTCTCAACCCTCCTGCTATTTATC TGGGTGGCGCTTACCATCAATATGCTCCCCCTCTTTTTCCGTGTTAGATCCCCCCCCT TCGCTTCCCCCGTATTCTT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_030655
Insert Size:	4100 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_030655.2 , NP_085913.1
RefSeq Size:	4203 bp
RefSeq ORF:	4203 bp
Locus ID:	1663
Cytogenetics:	12p11.21
Domains:	DEXDc2
Protein Families:	Stem cell - Pluripotency
Gene Summary:	<p>DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. This gene encodes a DEAD box protein, which is an enzyme that possesses both ATPase and DNA helicase activities. This gene is a homolog of the yeast CHL1 gene, and may function to maintain chromosome transmission fidelity and genome stability. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) contains exon 6, exon 21, and intron 27, as compared to variants 1 and 2. The presence of the exon 6 shifts the open reading frame and introduces an upstream stop codon within exon 7. As a result, this variant has a longer nucleotide sequence, but encodes a shorter isoform than variants 1 and 2.</p>