

Product datasheet for **SC113756**

YJU2 (NM_018074) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	YJU2 (NM_018074) Human Untagged Clone
Tag:	Tag Free
Symbol:	YJU2
Synonyms:	CCDC94
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018074, the custom clone sequence may differ by one or more nucleotides

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ATGTCGGAGCGAAAAGTATTAACAAATACTACCCGCCGGACTTTGACCCATCAAAGATCCCCAAACTCA
AGCTCCCCAAAGACCCGGCAGTACGTGGTGCGGCTGATGGCCCCCTTCAACATGAGGTGTAAGACGTGCGG
AGAATACATCTACAAGGGGAAGAAATTCATGCTCGGAAGGAGACGGTGCAGAACGAGGTCTACCTGGGC
CTGCCATCTTCCGCTTTTACATCAAGTGCACGCGCTGCCTGGCAGAGATCACCTTCAAGACAGACCCTG
AAAACACAGACTACACCATGGAGCATGGAGCCACGCGAATTTCCAGGCTGAGAAGCTCCTGGAGGAGGA
GGAGAAGAGGGTGCAGAAGGAGCGGGAGGACGAGGAGCTGAACAACCCCATGAAGGTGCTGGAGAACCGG
ACCAAGGACTCCAAGCTGGAGATGGAGGTGCTGGAGAACCTCCAGGAGCTGAAAGACCTGAACCAGCGGC
AGGCGCACGTGGACTTCGAGGCTATGCTGAGGCAGCACCGCTGTGCGAGGAGGAGCGGGCGGAGGCAGCA
GCAGGAGGAGGACGAGCAGGAGACCGCGGCCCTGTTGGAGGAAGCCAGAAAGCGAAGACTGCTGGAGGAC
TCCGACTCAGAGGATGAGGCTGCTCCCTCGCCCCGTCAGCCAGCCCTTCGGCCCAACCCACCGCCATCC
TGGATGAGGCCCAAGCCAAAGAGGAAGGTGGAGGTCTGGGAGCAGAGCGTTGGCAGCCTGGGCAGCCG
GCCCGCTGTCGAGGCTGGTGGTGAAGAAGGAAAGGCCGACCCGGACTGCAGCAACGGCCAGCCT
CAGGCGGCCCCCAACCCAGGAGCCCCGAGAACAGGAAGGAGGCCAACCTACACCCCTGACGCCCTGGCG
CGTCCCTGAGCCAACTGGGTGCATACCTGGACAGTGACGACAGCAACGGCAGCAACTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018074 unedited
 GGGGGGGGNNNNNNCCCTCCTTCCCCNNNGGTTCAAGNATTTGTAATACGNATTA
 CTATAGGCGGCCGCGCATTTCGGCACAAAAAGTCGGATCGAAAAATTAACAAATACT
 ACCCGCCGGACTTTGACCCATCAAAGATCCCCAACTCAAGTCCCCAAAGACCGGCAGT
 ACGTGGTCCGGCTGATGGCCCCCTTCAACATGAGGTGTAAGACGTGCGGAGAATACATCT
 ACAAGGGGAAGAAATTCATGCTCGAAGGAGACGGTGCAGAACGAGGTCTACCTGGGCC
 TGCCCATCTTCCGCTTTTACATCAAGTGCACGCGCTGCCTGGCAGAGATCACCTTCAAGA
 CAGACCTGAAAACACAGACTACACCATGGAGCATGGAGCCACGCGGAATTTCCAGGCTG
 AGAAGCTCCTGGAGGAGGAGAGAAGAGGTGCAGAAGGAGCGGGAGGACGAGGAGCTGA
 ACAACCCCATGAAGGTGCTGGAGAACCGGACCAAGGACTCCAAGCTGGAGATGGAGGTGC
 TGGAGAACCTCCAGGAGCTGAAAGACCTCAACCAGCGGCAGGCGCACGTGGACTTCGAGG
 CTATGCTGAGGCAGCACCGCCTGTGGAGGAGGAGCGGCGGAGGCAGCANCAGGAGGAGG
 ACGAGCAGGAGACCGGCGCCTGTTGGAGGAAGCCAGAAAGCGAAGACTGCTGGAGGACT
 CCGACTCAGAGGATGAGGCTGCTCCCTCGCCCCTGCAGCCAGCCCTTTCGCCAACCCCA
 CCGNCATNCTGGATGAGGCCCAAGCCCAAGAGAANGGTGGAGTCTGGGAGCAAAGCGT
 TGGCAGCCTGGGAGCCGCCCCCGCTGTGAGGCTGGTGGTGGTAAAAAGGCAAGGCC
 GACCCGNACTGCAGCACGGGCANNNCTCAGCGGCCACCCCCAGAGCCCGCAGAACAG
 GAAGGAGGCCANCCNTACACCCTGACGCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018074 unedited
 TTTTTTAGGTTAAACTATGNNACCGCGCCGCATCTAGNGATCAGTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGCAAGGTTCTTTTATTGGTTCTAAAC
 AGTTTGGGAAAGAAAAATGAAGCCCTTAAAGGCCGGGAGGCTTGCCCAATGCCCAA
 AACTGGCACCCTGGAATAATGTTGAAACTGCTCCAAGGATGTTGCAACCCTAAACACA
 ATGACAGGGGGGCAAGAACAACAAGGGTCCCCAAGTGTAAAAGCTGGTGAGGGCA
 CAAAAAAGGACCTCCTGGGGCTGAAGCCCTGGTGGCCCTATTTGTTGGAACACCCTGG
 CGCTTGTGTCCGGCCTCCAATCACGCCAAGGGCTCCTGGCCTGACCACCAACAATGGT
 GGCTCAATGTGGCTGAAACTGGACCTGTGACTTTGACCCCGTGAGGGGGTCTGGGAAG
 GCTCAATTGCTGCCGTTGCTGTCGTCACGTCCAAGTATGCACCCAGTTGGCTTAAGGAG
 GACCCCCAAGCCTCAAGGGTGAAGGTTGGCCTCCTTCTGTTTTGCGGGGCTCCTGGG
 GTGGGGGCCCCCTGAAGCTGCCGTTGCTGCAATCCCGGTGCGCCTTTGGCTTTTTTACC
 AAGAACAACCTCGACAGGGGGGCGGCTGCCAAGCTGGCAAAGCTCTGGTTCCAAAAC
 TCCACCTTCTCTTGGGCTTTGGGGCCTCATCCACGATGGCGGTGGGGTTGGGCCAAAG
 GCTTGTCAAGGGCCAAGGAACAACCTCATCCTGAGTCCGAGTCTTCAACAGTCTT
 TGCTTTTTGGGTT

Restriction Sites:

NotI-NotI

ACCN:

NM_018074

Insert Size:

1500 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_018074.3 , NP_060544.2
RefSeq Size:	1486 bp
RefSeq ORF:	972 bp
Locus ID:	55702
UniProt ID:	Q9BW85
Cytogenetics:	19p13.3
Domains:	DUF572
Gene Summary:	Part of the spliceosome which catalyzes two sequential transesterification reactions, first the excision of the non-coding intron from pre-mRNA and then the ligation of the coding exons to form the mature mRNA (PubMed:29301961). Plays a role in stabilizing the structure of the spliceosome catalytic core and docking of the branch helix into the active site, producing 5'-exon and lariat intron-3'-intermediates (By similarity). May protect cells from TP53-dependent apoptosis upon dsDNA break damage through association with PRP19-CD5L complex (PubMed:22952453).[UniProtKB/Swiss-Prot Function]