OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC108799

AJUBA (NM_032876) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AJUBA (NM_032876) Human Untagged Clone
Tag:	Tag Free
Symbol:	AJUBA
Synonyms:	JUB
Mammalian Cell Selection:	None
Vector:	pCMV6-XL6
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_032876 edited
GAATTCGGCACGAGGGAGGGGGCGAGAGGCCCCAGGCCCGAGGGCATGGAGCGGTTAGGA
GAGAAAGCCAGTCGCCTGCTGGAGAAGTTCGGCCGCAGAAAGGGTGAATCTAGCCGGTCT
GGGTCTGACGGGACCCCCGGGCCGGGCAAGGGGCGCCTAAGTGGGTTGGGGGGACCTAGG
AAGTCAGGGCCCCGAGGAGCTACTGGGGGACCTGGGGATGAGCCGTTGGAGCCGGCCCGG
GAGCAAGGTTCCCTGGACGCTGAGCGAAATCAGCGCGGCTCCTTTGAGGCGCCGCGCTAC
GAAGGCTCTTTTCCCGCGGGGCCGCCGCCCACCCGGGCCTTGCCTCTACCTCAGTCGTTG
CCCCCCGATTTTCGGCTGGAGCCCACGGCCCCGGCCCTCAGCCCCCGCTCTAGCTTCGCC
AGTAGCTCGGCCAGCGACGCGAGCAAGCCGTCCAGCCCCCGGGGCAGCCTGCTGCTGGAC
GGGGCGGGGGCTGGCGGAGCTGGAGGTAGCCGGCCCTGCAGCAATCGCACCAGCGGCATC
AGCATGGGCTACGACCAGCGCCACGGGAGCCCCTTGCCAGCGGGGCCGTGCCTGTTTGGC
CCACCCCTGGCCGGAGCACCGGCAGGCTATTCTCCCGGAGGGGTCCCGTCCGCCTACCCG
GAGCTCCACGCCGCCCTGGACCGATTGTACGCTCAGCGGCCCGCGGGGTTCGGCTGCCAG
GAAAGCCGCCACTCGTATCCCCCGGCCCTGGGCAGCCCTGGAGCTCTAGCCGGGGCCGGA
GTGGGAGCGGCGGGGCCCTTGGAGAGACGGGGGGCGCAACCCGGACGACACTCTGTGACC
GGCTACGGGGACTGCGCCGTGGGCGCCCGGTACCAGGACGAGCTAACAGCTTTGCTTCGC
CTGACGGTGGGCACCGGTGGGCGAGAAGCCGGAGCCCGCGGAGAACCCTCGGGGATTGAG
CCGTCGGGTCTGGAGGAGCCACCAGGTCCTTTCGTTCCGGAGGCCGCCCGGGCCCGGATG
CGGGAGCCAGAGGCCAGGGAGGACTACTTCGGCACCTGTATCAAGTGCAACAAAGGCATC
TATGGGCAGAGCAATGCCTGCCAGGCCCTGGACAGCCTCTACCACACCCAGTGCTTTGTT
TGCTGCTCTTGTGGGCGAACTTTGCGTTGCAAGGCTTTCTACAGTGTCAATGGCTCTGTG
TACTGTGAGGAAGATTATCTGTTTTCAGGGTTTCAGGAGGCAGCTGAGAAATGCTGTGTC
TGTGGTCACTTGATTTTGGAGAAGATCCTACAAGCAATGGGGAAGTCCTATCATCCAGGC
TGTTTCCGATGCATTGTTTGCAACAAGTGCCTGGATGGCATCCCCTTCACAGTGGACTTC
TCCAACCAAGTATACTGTGTCACCGACTACCACAAAAATTATGCTCCTAAGTGTGCAGCC
TGTGGCCAACCCATCCTCCCCTCTGAGGGCTGTGAGGACATCGTGAGGGTGATATCCATG
GACCGGGATTATCACTTTGAGTGCTACCACTGTGAGGACTGCCGGATGCAGCTGAGTGAT

View online »

GAGGAAGGCTGCTGCTGTTTCCCTCTGGATGGGCACTTGCTCTGCCATGGTTGCCACATG
CAGCGGCTCAATGCCCGACAACCCCCTGCCAACTATATCTGAGCTGCAATCACTGCTGCT
GCTGTCACCCTGCAGACAAACTGCTGTGGCCAGTGGGCCCCTCTGAGGCCAGCCAAGGCA
AAGAATGCACTCTGCAGGCCTGGCAGAAGAGTCCTCTGGGGAGGACCCCAAGGGCCGGAG
ACCCAAAGATCATGATATTCCAAATGGATTGTGGAAGAGAAACCTTATATTTACCAGGGT
GGGGGCGACTGGCCTTTTTCCCATGTGTGCAGTCTGAGCTTAGGCACACACAGGAGGGTT
CCAGGACTTTCTGAACATCTGATTCTGTATCTTCAGTATATATATTTTGTTTGTTTTAGA
GATGGGATCTCACCATGTTGCCCAGGCTAGTCTTGAACTCCTGGGCTCGAATGATCCTCC
CACCTTGGCCTCCCAAAGTGCTGGGATTATAGGCGTAAGCCACTGTGTCTGGCCTAGTGT
ATGATTATGCATGAGTCACGCAATGTTCTGGTCCTGGATTCCAGGAGTAGAGGACCTAGC
TTTAGATCAATTAGTTTCAGCTAAACTGACTGGAACCAGGTCAAAGTGTAATTCTCCCTC
CAGCTCCCCCAAACCCCAGAGTTTTGGGGTTGTGGTTGATGCAGTGTGGGATGTCCCTGA
GAGGTAGCAAGTCTAGGGTGGTGAGTTCCTGCTAGGCAACCAAATTTAAGCTCCTCACTT
TTTGTGACACATGGTGTCAGATATGGGGTCCCGCACCTATATCTGGATGAAGAGGTAGAA
ACTCTGGACCTCATTAATGAGTTATTTCTTGGCCTTCTTCTAAGGACTAGGAGAGCTCCT
TATCTGTCTGAGAATGGGGACCAGCTCTGAGTGGGGTTGCTGCCTGTATTCCCTGTTTCT
CAGGAACTTACATGGGTCTGGGGAGGCTAGGTAGGTGATTGTACGTGGTTGCTCTTCTCC
TTGGCTGGGGGAGGTAATGAGCAGATCTCTGTGGGTGTGGAGCTTGTTGGGGGGATGTCT
AGGAAGCTTCAGCTTAGCCACATTCCCAAGTTTAGGTGCACTGAGCCATATAGCCCAGTG
TATGCATGTGTGGGTGTGTTCATGCACACACACACTCTCTCTCTTGTCTCTCTGTCTCTC
TCTCACTCTTACTTTCTTACTCTCTTCTCAGGTCACTTGTACACTTGGTTTCCTAGTAGA
AGCTCACTTGCCACCTCTCAGAGGGGTCCCGGATTGCATCCATCACAATCCCAAAACTAG
AGTTGGGGGGAACTGGAGGGAGCAAAACACTGATTTGATACTAGTCAGTTTGCTTGAAAC
TAGTTCACCTAAAGCTAGATCTCTTAAAACCAATTTACTGAAAACTTGTTTGCTTAAAGT
TAATGACTTAATGACTAATTTGCCAAAAGCTCAATTCCTATTTTGGTGTGTTTATATCCA
TTTAGGTGTCCTATTCTTTTTTGTCATGCTTTGGATATTTCAAGGATTTATATCTATTCA
TCCAAGAGTACTTCTGAGTTATTATCAGCAACATAAATTTATCAAATTTGCAGCACTTTG
TAAATGATGAGATTGCTTCCTACCTTTATGGATGTCTTTTTCTATGTTATCTACCATTCA
AAAACTTTTTTAAAAAGTTTAAAGTTTCTAGCAATAAATACAATTGGTACAGACAAAAAA
AAAAAAAAAAAACTCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032876 unedited
TTTGTCATAACCCCCGCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTA
TATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTTCTTTTTGCAGC
GGCCGCGAATTCGGCACGAGGGAGGGGGCGAGAGGCCCCAGGCCCGAGGGCATGGAGCGG
TTAGGAGAGAAAGCCAGTCGCCTGCTGGAGAAGTTCGGCCGCAGAAAGGGTGAATCTAGC
CGGTCTGGGTCTGACGGGACCCCCGGGCCGGGCAAGGGGCGCCTAAGTGGGTTGGGGGGA
CCTAGGAAGTCAGGGCCCCGAGGAGCTACTGGGGGACCTGGGGATGAGCCGTTGGAGCCG
GCCCGGGAGCAAGGTTCCCTGGACGCTGAGCGAAATCAGCGCGGCTCCTTTGAGGCGCCG
CGCTACGAAGGCTCTTTTCCCGCGGGGCCGCCGCCCACCCGGGCCTTGCCTCTACCTCAG
TCGTTGCCCCCCGATTTTCGGCTGGAGCCCACGGCCCCGGCCCTCAGCCCCCGCTCTAGC
TTCGCCAGTAGCTCGGCCAGCGACGCGAGCAAGCCGTCCAGCCCCCGGGGCAGCCTGCTG
CTGGACGGGGCGGGGGCTGGCGGAGCTGGAGGTAGCCGGCCCTGCAGCAATCGCACCAGC
GGCATCAGCATGGGCTACGACCAGCGCCACGGGAGCCCCTTGCCAGCGGGGCCGTGCCTG
TTTGGCCCACCCCTGGCCGGAGCACCGGCAGGCTATTCTCCCGGGAGGGGTCCCGTCCGC
CTACCCGGAGCTCCACGCGCCCTGGACCGATTGTACGCTCAGCGCCCGCGGGGTTCGGCT
GCCAGGAAAGCCGCACTCCTATCCCCGGCCCTGGGCACCCTGGAGCCTAACCGGGCCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_032876 unedited
NNNNNNCCGGTTCCACTATGNNACCGCGGCCGCATNCTAGNGATCGGTTTTTTTTTTTTT
TTTTTGTCTGTACCAATTGTATTTATTGCTAGAAACTTTAAACTTTTTAAAAAAGTTTTT
GAATGGTAGATAACATAGAAAAAGACATCCATAAAGGTAGGAAGCAATCTCATCATTTAC
AAAGTGCTGCAAATTTGATAAATTTATGTTGCTGATAATAACTCAGAAGTACTCTTGGAT
GAATAGATATAAATCCTTGAAATATCCAAAGCATGACAAAAAAGAATAGGACACCTAAAT
GGATATAAACACACCAAAATAGGAATTGAGCTTTTGGCAAATTAGTCATTAAGTCATTAA
CTTTAAGCAAACAAGTTTTCAGTAAATTGGTTTTAAGAGATCTAGCTTTAGGTGAACTAG
TTTCAAGCAAACTGACTAGTATCAAATCAGTGTTTTGCTCCCTCCAGTTCCCCCCAACTC
TAGTTTTGGGATTGTGATGGATGCAATCCGGGACCCCTCTGAGAGGTGGCAAGTGAGCTT
CTACTAGGAAACCAAGTGTACAAGTGACCTGAGAAGAGAGTAAGAAAGTAAGAGTGAGAG
AGAGACAGAGAGACCAGAGAGAGAGTGTGTGTGTGCATGAACACACCCCCACATGCATAC
ACTGGGGCTTTATGGCTCAGGGCCCCTCAAACTTGGGAATGTGGCTAAGCTGAAAGCTTC
TAGACATCCCCCCACAAACTCCACACCCACAGAGATCTTGTATTTACCTCCCCCAGCCCA
GGGGAAAAGCAACCCCTTCAAAAGCACTTACTTGGCCCTCCCCAAACCCGGGGAATTTCT
TGGAAAACAGGGAATCC

Restriction Sites: NotI-NotI

ACCN: NM_032876

Insert Size: 3600 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:
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_032876.4, NP_116265.1

RefSeq Size: 4236 bp

RefSeq ORF: 1617 bp

Locus ID: 84962

UniProt ID: Q96IF1

Cytogenetics: 14q11.2

Domains: LIM

Gene Summary: Adapter or scaffold protein which participates in the assembly of numerous protein complexes and is involved in several cellular processes such as cell fate determination, cytoskeletal organization, repression of gene transcription, mitosis, cell-cell adhesion, cell differentiation, proliferation and migration. Contributes to the linking and/or strengthening of epithelia cell-cell junctions in part by linking adhesive receptors to the actin cytoskeleton. May be involved in signal transduction from cell adhesion sites to the nucleus. Plays an important role in regulation of the kinase activity of AURKA for mitotic commitment. Also a component of the IL-1 signaling pathway modulating IL-1-induced NFKB1 activation by influencing the assembly and activity of the PRKCZ-SQSTM1-TRAF6 multiprotein signaling complex. Functions as an HDAC-dependent corepressor for a subset of GFI1 target genes. Acts as a transcriptional corepressor for SNAI1 and SNAI2/SLUG-dependent repression of E-cadherin transcription. Acts as a hypoxic regulator by bridging an association between the prolyl hydroxylases and VHL enabling efficient degradation of HIF1A. Positively regulates microRNA (miRNA)-mediated gene silencing. Negatively regulates the Hippo signaling pathway and antagonizes phosphorylation of YAP1.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).