

Product datasheet for SC335669

AJUBA (NM_001289097) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AJUBA (NM_001289097) Human Untagged Clone
Tag:	Tag Free
Symbol:	AJUBA
Synonyms:	JUB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335669 representing NM_001289097. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGAGCGGTTAGGAGAGAAAGCCAGTCGCCTGCTGGAGAAGTTCGGCCGCAGAAAGGGTGAATCTAGC
 CGGTCTGGGTCTGACGGGACCCCGGGCGGGCAAGGGGCGCCTAAGTGGGTTGGGGGACCTAGGAAG
 TCAGGGCCCCGAGGAGCTACTGGGGACCTGGGGATGAGCCGTTGGAGCCGGCCCGGAGCAAGGTTCC
 CTGGACGCTGAGCGAAATCAGCGCGGCTCCTTTGAGGCGCCGCGCTACGAAGGCTCTTTCCCGCGGGG
 CCGCCGCCACCCGGGCTTGCCTCTACCTCAGTCGTTGCCCGCGATTTTCGGCTGGAGCCACGGCC
 CCGGCCCTCAGCCCCGCTCTAGCTTCGCCAGTAGCTCGGCCAGCGACGAGCAAGCCGTCCAGCCCC
 CGGGGACGCTGCTGCTGACGGGGCGGGGCTGGCGGAGCTGGAGGTAGCCGGCCCTGCAGCAATCGC
 ACCAGCGGCATCAGCATGGGCTACGACCAGCGCCACGGGAGCCCCCTTGCAGCGGGGCCGTGCTGTTT
 GGCCACCCCTGGCCGGAGCACCGGCAGGCTATTCTCCCGAGGGGTCCCGTCCGCCTACCCGGAGCTC
 CACGCCGCCCTGGACCGATTGTACGCTCAGCGGCCCGGGGTTTCGGCTGCCAGGAAAGCCGCCACTCG
 TATCCCCGGCCCTGGGCAGCCCTGGAGCTCTAGCCGGGCGCGAGTGGGAGCGGGCGGGCCCTTGGAG
 AGACGGGGGGCGCAACCCGGACGACACTCTGTACCGGCTACGGGACTGCGCCGTGGGCGCCCGGTAC
 CAGGACGAGCTAACAGCTTTGCTTCGCCTGACGGTGGGACCGGTGGGCGAGAAGCCGGAGCCCGCGGA
 GAACCTCGGGGATTGAGCCGTGGGTCTGGAGGAGCCACAGGTCCTTTTCGTTCCGGAGGCCCGCGG
 GCCGGATGCGGGAGCCAGAGGCCAGGAGGACTACTTCGGAATCATGCTCACATGGTCCCTCTGCAC
 GGAGCCCTCTGCCAAGCCAGATCCTTTTCTCATCCTTGAAGTCTGCAGTGGAGAGAAATCATTCTAT
 AACTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI


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ACCN:	NM_001289097
Insert Size:	1110 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:	<u>NM_001289097.1</u>
RefSeq Size:	1807 bp
RefSeq ORF:	1110 bp
Locus ID:	84962
UniProt ID:	<u>Q96IF1</u>
Cytogenetics:	14q11.2
MW:	37.8 kDa

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 (3) lacks multiple 3' coding exons and contains an alternate 3' terminal exon, resulting in a different 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (3) has a distinct C-terminus and is shorter than isoform 1.