

Product datasheet for **SC115830**

JAB1 (COPS5) (NM_006837) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JAB1 (COPS5) (NM_006837) Human Untagged Clone
Tag:	Tag Free
Symbol:	JAB1
Synonyms:	CSN5; JAB1; MOV-34; SGN5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006837, the custom clone sequence may differ by one or more nucleotides

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ATGGCGCGTCCGGGAGCGGTATGGCCCAGAAAACCTGGGAAGTGGCCAACAACATGCAGGAAGCTCAGA
GTATCGATGAAATCTACAAATACGACAAGAAACAGCAGCAAGAAATCCTGGCGGCGAAGCCTGGACTAA
GGATCACCATTACTTTAAGTACTGCAAAATCTCAGCATTGGCTCTGCTGAAGATGGTGATGCATGCCAGA
TCGGGAGGCAACTTGAAGTGATGGGTCTGATGCTAGGAAAGGTGGATGGTGAACCATGATCATTATGG
ACAGTTTTGCTTTGCCTGTGGAGGGCACTGAAACCCGAGTAAATGCTCAGGCTGCTGCATATGAATACAT
GGCTGCATACATAGAAAATGCAAAACAGGTTGGCCGCTTGAAAATGCAATCGGGTGGTATCATAGCCAC
CCTGGCTATGGCTGCTGGCTTTCTGGGATTGATGTTAGTACTCAGATGCTCAATCAGCAGTCCAGGAAC
CATTTGTAGCAGTGGTGATTGATCCAACAAGAACAATATCCGCAGGGAAAGTGAATCTTGGCGCCTTTAG
GACATACCCAAAGGGCTACAAACCTCCTGATGAAGGACCTTCTGAGTACCAGACTATTCCAATTAATAAA
ATAGAAGATTTTGGTGTACACTGCAAAACAATATTATGCCTTAGAAGTCTCATATTTCAAATCCTCTTTGG
ATCGCAAATTGCTTGAGCTGTTGTGGAATAAATACTGGGTGAATACGTTGAGTCTTCTAGCTTGCTTAC
TAATGCAGACTATACCACTGGTCAGGTCCTTTGATTTGTCTGAAAAGTTAGAGCAGTCAGAAGCCCAGCTG
GGACGAGGGAGTTTCATGTTGGGTTTAGAAACGCATGACCGAAAATCAGAAGACAAACTTGCCAAAGCTA
CAAGAGACAGCTGAAAACCTACCATAGAAGCTATCCATGGATTGATGTCTCAGGTTATTAAGGATAAACT
GTTAATCAAATTAACATCTCTTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006837 unedited
 AGGTTCAAATTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGCAAGAGTC
 TAGGTAAGAGTTTGTCCCGTGGTGCAGGAGGTCAAGGCCACACCCGGAAACCTAGCGA
 GGTGAAGTTGCGTCTTGGTTGTAGAGACGACAACCTTCCCGCTTCTCGGCGATGGCGGC
 GTCCGGGAGCGGTATGGCCAGAAAACCTGGGAAGTGGCAACAACATGCAGGAAGCTCA
 GAGTATCGATGAAATCTACAAATACGACAAGAAACAGCAGCAAGAAATCCTGGCGCGAA
 GCCCTGGACTAAGGATCACCATTACTTTAAGTACTGCAAAATCTCAGCATTGGCTCTGCT
 GAAGATGGTGATGCATGCCAGATCGGGAGGCAACTTGAAGTGATGGGTCTGATGCTAGG
 AAAGGTGGATGGTGAAACCATGATCATTATGGACAGTTTTGCTTTGCCTGTGGAGGGCAC
 TGAAACCCGAGTAAATGCTCAGGCTGCTGCATATGAATACATGGCTGCATACATAGAANA
 TGCGAAACAGGTTGGCCGCTTGAANATGCATCGGGTGGTATCATAGCCACCCTGGCTAT
 GGCTGCTGGCTTTCTGGATTTGATGTAGTACTCAGATGCTCAATCAGCAGTTCAGGAA
 CCATTTGTAGCAGTGGTATTGATCCAACNNAGACATATCCGCAGGAAGTGAATCTTGG
 CGCCTTANAGACATACCCAAAAGGCTACAACTNCTGATGAGGACCTTCTGAGTACAGACT
 ATTCCACTTTATAAATAGAGATTTTGGTGTACTGCAAAACAATATATGCTTTAGAGTCT
 CTATTTCAAACCTCTTGGATCGAAATGCTTGAGCTTGTGTGGATAAATCTGGGTGAAT
 ACCTTGAGTTCTCAAGCTGGCTACAAAGCAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006837 unedited
 ACTTCCAGGGCCAGNATAGCACTGGGGAGGGTACAGGGATGCCACCCGGNATCTGTT
 CAGGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTCA
 TTTTAAAGAGCTTTATTACAGGATATTAATATTTAGGACACTTCAGAGCACCTTATACTT
 CTAATCAAATTTGGGTAAGTGGTTTTAAAGGGTACTTGAATATTTTTCTCATACTGGC
 TTTTCAGGAAAGTACTTCTCAAAGACTGTTTAAAGAGATGTTAATTTGATTAACAGTTTA
 TCCTTAATAACCTGAGACATCAATCCATGGATAGCTTTTATGGTAGTTTTACAGCTGCT
 TTTGTAGCTTTGGCAAGTTTGTCTTCTGATTTTCGGTCATGCGTTTCTAAACCAACANN
 NAACTCCCTCGTCCCAGCTGGGCTTCTGACTGCTCAACTTTTCAAACAAATCAAAGACC
 TGACCAGTGGTATAGTCTGCATTAGTAAGCAAGCTAGAAAACTCAACGTATTCACCCAG
 TATTTATCCACAACAGCTCAAGCAATNTGCGATCCAAGAGGATTTGAAATATGAGAC
 TTCTAAGGCATAATATTGTTTGCAGTGGTCACCAAAATCTTCTATTTTATTAAGTGAAT
 AGTCTGGTACTCAGAAAGTCCCTTATCAGGAGGTTGGTAGCCCTTGGGTATGTCCTAAA
 GCGCCCCAGATTACTTTACNNNNAATATGTTTCTGGTTGATCAATCACCCTGCTACAAA
 GGGGTCTGGAAGTCTGANTGACATCTGAGTACTAACATCATCCAAAAAGNCAGCAGCC
 ATAGCCAGGGTGGCTATGATACCACCGTTGCATTTAGGCGGGCCACCTGTTCCGATTT
 CTATGTTGCAGCCTGTTTTATTAGCAGAGCCTGACAT

Restriction Sites:

NotI-NotI

ACCN:

NM_006837

Insert Size:

1330 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_006837.2 , NP_006828.2
RefSeq Size:	1510 bp
RefSeq ORF:	1005 bp
Locus ID:	10987
UniProt ID:	Q92905
Cytogenetics:	8q13.1
Domains:	JAB_MPN
Protein Families:	Druggable Genome, Protease, Transcription Factors
Gene Summary:	The protein encoded by this gene is one of the eight subunits of COP9 signalosome, a highly conserved protein complex that functions as an important regulator in multiple signaling pathways. The structure and function of COP9 signalosome is similar to that of the 19S regulatory particle of 26S proteasome. COP9 signalosome has been shown to interact with SCF-type E3 ubiquitin ligases and act as a positive regulator of E3 ubiquitin ligases. This protein is reported to be involved in the degradation of cyclin-dependent kinase inhibitor CDKN1B/p27Kip1. It is also known to be an coactivator that increases the specificity of JUN/AP1 transcription factors. [provided by RefSeq, Jul 2008]