

Product datasheet for **SC320662**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_006837.2 GTGTCATGGCTGCCCAAGAGTCTAGGTAAGAGTTTGTCCCGTGGTGCGGAGGGTCAAG GCCACACCCGGAAACCTAGCGAGGTAAGTTGCGTCTTGTTGTAGAGACGACAACCTC CCGCTTCTCGGCGATGGCGGCGTCCGGGAGCGGTATGGCCAGAAAACCTGGGAACTG GCCAACACATGCAGGAAGCTCAGAGTATCGATGAAATCTACAAATACGACAAGAAACAG CAGCAAGAAATCCTGGCGGCAAGCCCTGGACTAAGGATCACCATTACTTTAAGTACTGC AAAATCTCAGCATTGGCTCTGCTGAAGTGGTATGCATGCCAGATCGGGAGGCAACTTG GAAGTGATGGGTCTGATGCTAGGAAAGTGGATGGTGAACCATGATCATTATGGACAGT TTTGCTTTGCCTGTGGAGGGCACTGAAACCCGAGTAAATGCTCAGGCTGCTGCATATGAA TACATGGCTGCATACATAGAAAATGCAAAACAGGTTGGCCGCTTGAAAATGCAATCGGG TGGTATCATAGCCACCCTGGCTATGGCTGCTGGCTTTCTGGGATTGATGTTAGTACTCAG ATGCTCAATCAGCAGTCCAGGAACCATTGTAGCAGTGGTGATTGATCCAAAGAACA ATATCCGCAGGAAAGTGAATCTTGCGCCTTTAGGACATACCCAAAGGGCTACAAACCT CCTGATGAAGGACCTTCTGAGTACCAGACTATCCACTTAATAAAATAGAAGATTTTGGT GTACACTGCAACAATATTATGCCTTAGAAGTCTCATATTTCAAATCCTCTTTGGATCGC AAATTGCTTGAGCTGTTGTGGAATAAATACTGGTGAATACGTTGAGTCTTCTAGCTTG CTTACTAATGCAGACTATACCACTGGTCAGGCTTTGATTTGTCTGAAAAGTTAGAGCAG TCAGAAGCCCAGCTGGGACGAGGGAGTTTCATGTTGGGTTTAGAAACGCATGACCGAAAA TCAGAAGACAACTTGCCAAAGCTACAAGAGACAGCTGAAAACCTACCATAGAAGCTATC CATGGATTGATGCTCAGGTTATTAAGGATAAACTGTTTAAATCAAATTAACATCTCTTAA ACAGTCTCTGAGAAGTACTTTACCTGAAAAGACAGTATGAGAAAAATATTCAAGTAACACT TTAAAACAGTTACCCAAAATCTGATTAGAAGTATAAGGTGCTCTGAAGTGCCTAAATA TTAATATCCTGTAATAAAGCTCTTTAAAATGAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	Please inquire
ACCN:	NM_006837



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Insert Size:	1300 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_006837.2</u> , <u>NP_006828.2</u>
RefSeq Size:	1510 bp
RefSeq ORF:	1005 bp
Locus ID:	10987
UniProt ID:	<u>Q92905</u>
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]