

Product datasheet for **SC114393**

ASB2 (NM_016150) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASB2 (NM_016150) Human Untagged Clone
Tag:	Tag Free
Symbol:	ASB2
Synonyms:	ASB-2
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >NCBI ORF sequence for NM_016150, the custom clone sequence may differ by one or more nucleotides

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ATGACCCGCTTCTCTATGCAGAGTACTTTCCCTCTTTACTCCTGCTCTGCACCCCTCCAGGTCCACTG
CACCTCCTGAGAGTTCGCCGGCCCGGGCCCAATGGGCTTGTTCAGGGGTTCATGCAGAAATACAGCAG
CAGCTTGTTCAGACCTCCAGCTGGCGCTGCGGACCCCTTGATAAAGGCCATCAAGGATGGCGATGAA
GAGGCCTTGAAGACCATGATCAAGGAAGGGAAGAATCTCGCAGAGCCCAACAAGGAGGGCTGGCTGCCGC
TGCACGAGGCCGATACTATGGCCAGGTGGGCTGCCTGAAAGTCTGCAGCGAGCGTACCCAGGGACCAT
CGACCAGCGCACCTGCAGGAGGAAACAGCCGTTTACTTGGCAACGTGCAGGGGCCACCTGGACTGTCTC
CTGTCACTGCTCCAAGCAGGGGCAGAGCCGGACATCTCCAACAAATCCCGAGAGACACCGCTCTACAAAG
CCTGCGAGCGCAAGAACGCGGAGGCCGTGAAGATTCTGGTGCAGCACAATGCAGACACCAACCACCCTG
CAACCCGGCTGGACCGCTCTGCACGAGTCTGTGTCTCGCAATGACCTGGAGGTTCATGCAGATCCTGGT
AGCGGAGGAGCCAAGGTGAATCCAAGAACGCCTACGGCATCACCCCTTGTTCGTGGCCGCCAGAGTG
GACAGTTGGAGGCCTTGAAGTCTTAGCCAAGTACGGTGTGACATCAACACGCAGGCCAGCGACAACGC
GTCTGCCCTCTACGAGGCCTGCAAGAATGAGCATGAGGAGGTGGTGGAGTTTCTGCTGTACAGGGTGCC
GACGCCAACAAGACCAACAAGGACGGCTTGTCTCCGCTGCACATCGCCTCCAAGAAGGGCAACTACAGGA
TCGTGCAGATGCTGCTGCCGGTGACCAGCCGACGCGCATACGCCGTAGCGGCGTCAGTCCGCTGCACCT
GGCGGCCGAGCGCAACCACGACGAGGTGCTGGAGGCGTGTGAGCGCGCGCTTCGACGTGAACACGCCG
CTGGCCCCGAGCGCGCGCCCTCTACGAAGACCGGCGCAGCTCCGCGTGTACTTCGGGTGGTCAACA
ACAACGTGTACGCCACCGAGCTGCTGCTGCAACACGGCGCCGACCCCAACCGGACGTATCAGCCCTT
GCTGTGGCCATCCGCCACGGCTGCCTGCGCACAATGCAGTGTGCTGGACCAGGGCGCAACATCGAC
GCCTATATCGCCACGCACCCACCGCTTCCCCGCCACCATCATGTTCCGCATGAAGTGCCTGTCTGCTGC
TCAAGTTCTCATGGACCTGGGCTGCGAGCGGCGAGCCCTGCTTCTCATGCCTCTACGGCAACGGCCGCA
CCC GCCGCCCGCAGCCCTCCAGCAGGTTCAACGACGCGCCGCGGCCGACAAGGAGCCAGCGTGGTG
CAGTTCTGTGAGTTCGTATCTGCCCCAGAGGTGAGCCGCTGGGCGGGGCCATCATCGATGCTCCTCTGG
ACTACGTGGGCAACGTGCAGCTCTGCTCGCGGTGAAGGAACACATCGACAGCTTTGAGGACTGGCCGT
CATCAAGGAGAAGGCAGAACCTCCAAGACCTCTGGCTCACCTTTGCCGACTGCGGGTTCGAAAGGCCATT
GGGAAATACCGTATAAACTCCTAGACACCTTGCCGCTCCAGGCAGGCTGATTAGATACCTGAAATACG
AGAACACCCAGTAA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016150 unedited

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TTTTGTAATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCCGAGGAACGGA
AGGCAGGATTGCAGCTTCTCAGTGCAACCTCCAACAGGAAATCTGAGATGTATAACAT
CTTATAGTTTGGCTTGTCAACGTTGGTCATGCGGTGGCCCAAAAATAAATCCCTGCTTC
AAAGGACAGCGTTTCAGAACTGCCTGGCAGAGCAGCCAGAAGCTTGGGGCCAGGGCAGAA
GGAAAACTCGGGGAGCATGTTCTGAATTAAGACTTTCAAGAAAATCCTTTGTATTACC
CCTGAATTGTACCCTTGTTCAGAGCCTAACAGGTCCACTGCACCTCCTGAGAGTTCCGC
GGCCCGGGCCCAATGGGCTTGTTCAGGGGTTCATGCAGAAATACAGCAGCAGCTTGTTC
CAAGACCTCCAGCTGGCGCCTGCGGACCCCTTGATAAAGGCCATCAAGGATGGCGATGA
AGAGGCCTTGAAGACCATGATCAAGGAAGGGAAGAATCTCGCAGAGCCCAACAAGGAGGG
CTGGCTGCCGCTGCACGAGGCCGATACTATGGCCAGGTGGGCTGCCTGAAAGTCTGCA
GCGAGCGTACCCAGGACCATCGACCAGCGCACCTGCAGGAGGAAACAGCCGTTTACTT
GGCAACGTGCAGGGGCCACCTGGACTGTCTCCTGTCACTGCTCCAAGCAGGGGCAGAGCC
GGACATCTCCAACANATCCCGAGAGACACCGCTCTACAAAGCCTGTGAGCGCAAGACCCG
CGAGCCGTGAAGATTCTGTGCAGCACAACGCAGACACCGACACCGCTGCACCGNCGCTGG
ACGCTCTGACAGTCTGTGTCTCGCATGACCTGNAGTCATGCAGACCTGNTGAGCGG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_016150 unedited GACCGCGGGCCGAATCTANNATCGAGTTTTTTTTTTTTTTTTTTTCCCATGTGTAACATT TATTATATTAATACTTAACAAAGCCCTCCAGAACCAGGCTCCCCCTACCCCTACCTTG GGCCACGTCTTCATCTTAGTCTTTGGAGAGAAAGCTCTGAAGTCAAGTGGTGAGTTTTCC AGAACAAGTGGAGGGGCACAGGGAAGGCTCTGAGCACCACCTCCCCAGAACACCTCAAG CTCTGCCCTGGCCCCAGGAATAGAGGTTTCTGCCATTCTGAAGGTAGAGAAGGTCTGGG ATCTGCTCATCAGTTTGTAAACAAATGATTCTTCTCCTTGACACATTCTGTTCTCTGCTC TGGCCAAAGCTCTGGGCCCTGAGACCCAGTGAGATCCTGGTAGCTGTCCAGGCTGAGAGG GAGGCAGCCTGCAGCCTCGTCTGTCAACCAGGTCCCTTGGAGTTGGGAACACCGACGTCC TGAGACTTAGTAAGAAGAGTCTGAGGGGCTACTCCTCTCTCCCCGTGGCCCCAGTTACTG GGTGTCTCGTATTTCAAGTATCTAATCAGCCTGCCTGGGAGCGCAAGGTGTCTAGGAG TTTTATACGGTATTTCCAATGGCCTTTCGAACCCGAGTCGGCAAAGGTGAGCCAGAGG TCTTGGAGGTTCTGCCTTCTCCTTGATGACGGCCAGTCTCAAAGCTGTGATGTGTTCC CCTTCAGCCGCGAGCAGAGCTGCAGTTGCCACGTAGTCCAGGAGGACATCGATGATGG GCCCGCCGAGCGGCTCACCTCTGGGCAGATACGAACTCACAGACTGCACCACGCTGGGC TCCTTGTCGCGCCGCGGCGCTGTTGAACCTGCTGNAGGGCTGCNNGGCCCGCGNTGTC CGCCCGNTGCCGTANAGCATGANAACCAGGCTCGCC
Restriction Sites:	NotI-NotI
ACCN:	NM_016150
Insert Size:	2600 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_016150.1</u> , <u>NP_057234.1</u>
RefSeq Size:	2756 bp
RefSeq ORF:	1635 bp
Locus ID:	51676
UniProt ID:	<u>Q96Q27</u>
Cytogenetics:	14q32.12
Domains:	SOCS, ANK

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the ankyrin repeat and SOCS box-containing (ASB) protein family. These proteins play a role in protein degradation by coupling suppressor of cytokine signalling (SOCS) proteins with the elongin BC complex. The encoded protein is a subunit of a multimeric E3 ubiquitin ligase complex that mediates the degradation of actin-binding proteins. This gene plays a role in retinoic acid-induced growth inhibition and differentiation of myeloid leukemia cells. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]
Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1.