

Product datasheet for **SC322570**

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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322570
 CCGAGACACAGCAGCTGTGTCCAGCACACAGAGGACCCGGCCATCTGCTTTGGTTTCAGAG
 CCCTGTGTCTGTCTCAGTCACTCTCCCTGGCTCTCCCTCCATCCTCATTCTGCCTGAAG
 CCATGACCCGCTTCTCTATGCAGAGTACTTTTCCCTCTTCACTCCTGCCTGCACCCT
 CCAGGTCCACTGCACCTCCTGAGAGTTCGCCGGCCCGGGCCCAATGGGCTTGTTCGAAG
 GGGTCAATGCAGAAATACAGCAGCAGCTTGTTCAGACCTCCAGCTGGCGCTGCGGACC
 CCTTGATAAAGGCCATCAAGGATGGCGATGAAGAGGCCCTGAAGACCATGATCAAGGAAG
 GGAAGAATCTCGCAGAGCCCAACAAGGAGGGCTGGCTGCCGCTGCACGAGGCCGATACT
 ATGGCCAGGTGGCTGCCTGAAAGTCTGCAGCGAGCGTACCCAGGGACCATCGACCAGC
 GCACCCTGCAGGAGGAAACAGCCGTTTACTTGGCAACGTGCAGGGGCCACCTGGACTGTC
 TCCTGTCACTGCTCAAGCAGGGGCAGAGCCGGACATCTCCAACAAATCCCGAGAGACAC
 CGCTCTACAAAGCCTGCGAGCGCAAGAACGCGGAGGCCGTGAAGATTCTGGTGCAGCACA
 ACGCAGACACCAACCACCCTGCAACCAGCGCTGGACCGCTCTGCACGAGTCTGTGTCTC
 GCAATGACCTGGAGGTATGCAGATCCTGGTGAAGCGGAGGAGCCAAGGTGGAATCCAAGA
 ACGCCTACGGCATCACCCCTTGTTCGTGGCCGCCAGAGTGGACAGTTGGAGGCCTTGA
 GGTCTTAGCCAAGTACGGTGTGACATCAACACGAGGCCAGGACAACGCGTCTGCC
 TCTACGAGGCCTGCAAGAATGAGCATGAGGAGGTGGTGGAGTTTCTGCTGTCACAGGGTG
 CCGAGCCCAACAAGACCAACAAGGACGGCTTGCTCCCGCTGCACATCGCCTCCAAGAAGG
 GCAACTACAGGATCGTGCAGATGCTGCTGCCGGTGACCAGCCGCACGCGCATACGCCGTA
 GCGGCGTCAGTCCGCTGCACCTGGCGGCCGAGCGCAACCACGACGAGGTGCTGGAGGCGC
 TGCTGAGCGCGCCTTCGACGTGAACACGCCGCTGGCGCCGAGCGCGCGCCTCTACG
 AAGACCGGCGCAGCTCCGCGCTGACTTCGCGGTGGTCAACAACAACGTGTACGCCACCG
 AGCTGCTGCTGCAACACGGCCGACCCCAACCAGCGAGTCACTAGCCCTTGTCTGTGG
 CCATCCGCCACGGCTGCCTGCGCACAATGCAGTGTCTGCTGACACGCGCGCAACATCG
 ACGCCTATATCGCCACGCACCCACCGCCTTCCCGCCACCATCATGTTGCGCATGAAGT
 GCCTGTGCTGCTCAAGTTCCTCATGGACCTGGGCTGCGACGGCGAGCCCTGCTTCTCAT
 GCCTCTACGGCAACGGCCCGCACCCGCGGCCCGCAGCCCTCCAGCAGTTCAACGACG
 CGCCCGCGGCCGACAAGGAGCCAGCGTGGTGCAGTTCGTGAGTTCTGTATCTGCCCCAG
 AGGTGAGCCGCTGGGCGGGGCCATCATCGATGTCTCCTGGACTACGTGGGCAACGTGC
 AGCTCTGCTCGCGCTGAAGGAACACATCGACAGCTTTGAGGACTGGGCCGTATCAAGG
 AGAAGGCAGAACCTCCAAGACCTCTGGCTCACCTTTGCCGACTGCGGGTTCGAAAGGCCA
 TTGGGAAATACCGTATAAACTCCTAGACACCTTGCCGCTCCAGGCAGGCTGATTAGAT
 ACCTGAAATACGAGAACCCAGTAACCTGGGGCCACGGGAGAGAGGAGTAGCCCTCAG
 ACTCTTCTACTAAGTCTCAGGACGTCCGGTGTCCCAACTCCAAGGGGACCTGGTGACAG
 ATGAGGCTGCAGGCTGCCTCCCTCTCAGCCTGGACAGCTACCAGGATCTCACTGGGTCTC
 AGGGCCAGAGCTTTGGCCAGAGCAGAGAACAAGATGTGTCAAGGAGAAGAATCATTGT
 TACAACTGATGAGCAGATCCCAGACCTTCTCTACCTCAGGAATGGCAGAAACCTCTAT
 TCCTGGGGCCAGGGCAGAGCTTGAGGTGTCTGGGGAAGGTGGTCTCAGAGCCTTCCCT
 GTGCCCTCCACTTGTCTGAAAACTCACCCTTGACTTCAGAGCTTTCTCTCCAAAGA
 CTAAGATGAAGACGTGGCCCAAGGTAGGGGTAGGGGGAGCCTGGGTCTTGAGGGCTTT
 GTTAAGTATTAATAATAATAATGTTACACATGTGAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAA

Restriction Sites: Please inquire

ACCN: NM_016150

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_016150.3</u> , <u>NP_057234.2</u>
RefSeq Size:	2742 bp
RefSeq ORF:	1764 bp
Locus ID:	51676
UniProt ID:	<u>Q96Q27</u>
Cytogenetics:	14q32.12
Domains:	SOCS, ANK
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>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.</p>