

## Product datasheet for **SC122322**

### ASCC1 (BC012291) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ASCC1 (BC012291) Human Untagged Clone
Tag:	Tag Free
Symbol:	ASCC1
Synonyms:	activating signal cointegrator 1 complex subunit 1; ASC-1 complex subunit P50; ASC1p50; CGI-18; OTTHUMP00000019781; OTTHUMP00000019782; OTTHUMP00000019783; RP11-150D20.4
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for BC012291 edited  
 AGAGAACGCGCTCGCGTAGAGGAATTCGGGTCCTCCTCGCCCTACCTTGGTTTACC  
 TGCAGCCGCTAGTCCTTCTCCTTCTTTGATGATTACAGGGCCTCGGCTTCCCTCAC  
 GGGCATAATTGGAATATCATTGGAGAAAGTGCATGGAAGTTCTGCGTCCACAGCTTAT  
 AAGAATTGATGGCCGGAATTACAGGAAGAATCCAGTCCAAGAACAGACCTATCAACATGA  
 AGAAGATGAAGAGGACTTCTATCAAGGCTCCATGGAGTGTGCTGATGAGCCCTGTGATGC  
 CTACGAGGTGGAGCAGACCCCAAGGATCCGGTCTACTTTGAGGGCCCCAGTTGCT  
 CTATAAGCATATAGTTGGAAAGAGAGGGGACACTAGGAAGAAAATAGAAATGGAGACCAA  
 AACTTCTATTAGCATTCTAAACCTGGACAAGACGGGAAATTTAATCACTGGCCAGCA  
 TCGAAATGGTGAATTTAGCCCGAACACGGATTGATGTTCTTTTGGACACTTTTCGAAG  
 AAAGCAGCCCTTCACTCACTTCCCTTGCCTTTTCCCTCAATGAAGTTGAGGTTTCAAGGAGG  
 ATTCCTGAGATCCAGGAGGAAGTACTGGCGAAGTGTCCATGGATCATGGGGTTGACAG  
 CAGCATTTCCAGAATCCTAAAAAGCTTCACTAACTATTGGGATGTTGGTGCTTTTGAG  
 TGAGGAAGAGATCCAGCAGACATGTGAGATGCTACAGCAGTGTAAAGAGGAATTCATTAA  
 TGATATTTCTGGGGTAAACCCCTAGAAGTGGAGATGGCAGGGATAGAATACATGAATGA  
 TGATCCTGGCATGGTGGATGTTCTTACGCCAAAGTCCATATGAAAGATGGCTCCAACAG  
 GCTACAAGAATTAGTTGATCGAGTGTGGAACGTTTTTCAGGCATCTGGACTAATAGTGAA  
 AGAGTGGAAATAGTGTGAAACTGCATGCTACAGTTATGAATACACTATTCAGGAAAGACCC  
 CAATGCTGAAGGCAGGTACAATCTTACACAGCGGAAGGCAAAATATATCTTCAAGGAAAG  
 AGAATCATTTGATGGCCGAAATATTTAAAGTTGTTTGAAGACTTCTACTTTGGCTCCCT  
 AAAGCTGAATTCATTCACATCTCTCAGAGGTTACCCGTAGACAGCTTTGGAACTACGC  
 TTCCTGTGGACAAATTGACTTCTCCTGAGGTGGATCTTGGAAAGCACTAGAACTAAACA  
 TCTTACCAGGTGCTGAAGAAAAGTGTCTTCGTTTTAATTGCCAAGCAGGGATGTGGACA  
 TTTGGATGGTGACTTCCCTGGGTGGTTCCCATAGATTACCATTGCCTCTAATGGTGTC  
 TACACCCGTCATACTACCAGCTGAGATGGTGGTGGCATAAGGAGAATTTGTGCCTATAA  
 CCCTTAGTGTGTTCTGGTTTTTTTTCTTTAATTTTTAAATTTGTCGTAATAACTCATAA  
 AACATACTGTCTTACCATTTTTTAAGTGCACAGTTCAGTAACGTTAACTGTTAATACATT  
 CATAATGCTGTGTGGCCGTCACCGCCGTCCATCTCCATAGGCTTCTCAGCTTGTAATG  
 GAAACTGTACCCATTAACAGTAATCCCACTCCTCCAGAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for BC012291 unedited  
 NGTTGGATTTGTATACGACTCATATGGGCGGCCGCGCATTTCANATCTGGTACCGTCCGG  
 AATTCCCAGGATATCGTCGACCCACGCGTCCGAGAGAACGCGCTCGCGTAGAGGAATTCC  
 GGGTCCCTCCTCGCCCTACCTTGTTTACCTGCAGCCGCTAGTCCTTCTCCTTCT  
 CTTTGTGATTACAGGGCCTCGGCTTCCCTCACGGGCATAATTGGAATATCATTGGAGAA  
 AGTGTGATGGAAGTTCTGCGTCCACAGCTTATAAGAATTGATGGCCGGAATTACAGGAAG  
 AATCCAGTCCAAGAACAGACCTATCAACATGAAGAAGTGAAGAGGACTTCTATCAAGGC  
 TCCATGGAGTGTGCTGATGAGCCCTGTGATGCCTACGAGGTGGAGCAGACCCACAAGGA  
 TTCCGGTCTACTTTGAGGGCCCCAGCTTGCTCTATAAGCATATAGTTGGAAAGAGAGGG  
 GACACTAGGAAGAAAATAGAAATGGAGACCAAACTTCTATTAGCATTCTAAACCTGGA  
 CAAGACGGGAAATTTGTAATCACTGGCCAGCATCGAAATGGTGAATTTAGCCCGAACCA  
 CGGATTGATGTTCTTTGGACACTTTTTCGAAGAAAGCAGCCCTTCACTCACTTCCCTTGC  
 TTTTCCCTCAATGAAGTTGNAGTTTTCAGGAAGATTCCTGAGATTCAGGAGGAAGTACTG  
 GCGAAGTGTCCATGGATCATGGGGTTGACAGCAGCATTTTCCAGAATCCTANAAGCTTC  
 ATCTAACTATTGGGATGNTNNGTCTTTGAGTGANGGAAGAGATCCAGCAGACATGTGAG  
 ATGCTACAGCAGTGTAAAGAAGGAATTCATTAATGANNATTTCTGGGGGGTAACCCCT  
 ANAAGTGGAGATGGCAGGNATAGAAA

**Restriction Sites:** Please inquire

**ACCN:** BC012291

**Insert Size:** 1678 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC012291.1</a> , <a href="#">AAH12291.1</a>
<b>RefSeq Size:</b>	1678 bp
<b>Locus ID:</b>	51008
<b>Cytogenetics:</b>	10q22.1
<b>Gene Summary:</b>	This gene encodes a subunit of the activating signal cointegrator 1 (ASC-1) complex. The ASC-1 complex is a transcriptional coactivator that plays an important role in gene transactivation by multiple transcription factors including activating protein 1 (AP-1), nuclear factor kappa-B (NF-kB) and serum response factor (SRF). The encoded protein contains an N-terminal KH-type RNA-binding motif which is required for AP-1 transactivation by the ASC-1 complex. Mutations in this gene are associated with Barrett esophagus and esophageal adenocarcinoma. Alternatively spliced transcripts encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]