

## Product datasheet for **SC319600**

### ASCC2 (NM\_032204) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ASCC2 (NM_032204) Human Untagged Clone
Tag:	Tag Free
Symbol:	ASCC2
Synonyms:	ASC1p100; p100
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 NM\_032204.3  
 CCGGAAGTGC GGCGCTCAGGGAGCTGTACCCTGGTCGGCGGGCGGGCGGGCGGGCGG  
 GCACAGAGCCGGTGGTGGAGCCGCCGAGGAGGGTACGCAGCACAAATGCCAGCTTGCCC  
 CTGGACCAACTCCAGATCACCCACAAGGACCCGAAGACAGGAAAGCTGAGGACTTACCA  
 GCGCTGCACCCCGAGCAGAAGGCAGACCCGGTATTTTGTGTATACAAACCGCCCCCTAAA  
 GACAACATTCCC GCCCTAGTGGAGGAGTACCTGGAACGCGCCACCTTCGTAGCCAATGAC  
 CTCGACTGGCTCCTGGCCTTGCCTCACGATAAATCTGGTGCCAGGTGATCTTTGACGAG  
 ACTCTACAGAAGTGCCTGGACTCCTACCTGCGCTATGTCCCCCGCAAATTCGACGAGGGG  
 GTGGCCTCAGCCCTGAGGTTGTTGACATGCAGAAGCGCCTCCATCGAAGTGTTTTTCTC  
 ACCTTCCTCCGCATGTCCACTCACAAAGGAATCCAAAGTCACTTCATTTCCCTTCTGCG  
 TTTGGAGAAATCCTCTACAATAACTTCTCTTTGACATTCCAAAGATCCTGGACCTGCG  
 GTGCTCTTTGAAAAGGCAACTCACCCTGCTCCAGAAGATGATAGGAAACATCTTTACA  
 CAGCAGCAAGTTACTACAGTGACCTGGATGAAACCTGCCTACCATCCTCAGGTCTTC  
 AGCAATATCCTCCAGCACTGTGGTTTGAAGGGGACGGGGCCAATACCACACCCAGAAG  
 CTTGAGGAGAGGGGCCGATTGACCCCACTGACATGCCTCTCCTGGAATTAAGGACATT  
 GTTCTCTACCTTTGTGATACCTGCACCACACTTTGGGCCTTTCTGGATATCTTCCCTTTG  
 GCTTGCCAGACCTTCCAGAAGCAGCACTTTTGTACAGACTAGCTTCTTCTACGAAGCA  
 GCAATTCGAAATGGAGTCTGCAATTAAGAAGAGGAGGCTTGAAGATAGCAAGCTTCTT  
 GGTGACCTGTGGCAGAGGCTCTCCCATTCAGGAAGAAGCTAATGGAGATTTTCCACATC  
 ATCCTGAACCAGATCTGCCTCCTTCCATCCTAGAAAGCAGCTGTGACAACATTCAGGGC  
 TTCATCGAAGAGTTTCTTCAAGTCTTCACTCCTTGTGTCAGGAGAAGAGGTTCTCCGG  
 GACTATGATGCACTTTCCTCCGTCGACATCCTCCAGGCAGTCGAGAGTGCATGGGAAGGG  
 GTGGACAGACGGAAAGCCACAGATGCTAAAGACCATCGGTGATTGAGGAGCCTAATGGG  
 GAGCCTAACGGGGTACGGTGACAGCAGAGGCAGTCAGTCAAGCATCATCACATCCGGAG  
 AACTCGGAGGAAGAGGAGTGCATGGGAGCAGCCGCGGCTGTGGCCCTGCCATGTGTGGG  
 GTGGAAGTGGACTCTCTCATCTCCAAGTGAAGGACCTGCTGCCAGACCTTGGTGAAGGG  
 TTCATCTGGCCTGCCTGGAGTACTACCACTACGACCCAGAGCAGGTGATCAACAATATC  
 CTGGAGGAGCGGCTGGCCCCACCCTCAGCCAGCTGGACCGCAACCTAGACAGAGAAATG  
 AAACCAGACCCTACACCCTGCTGACGTCTCGCCACAACGTCTTCCAGAATGACGAGTTT  
 GATGTGTTTCAAGCAGGACTCAGTACCTGAGCCGGGTGCACAAGGGCAAGAGCACCAGG  
 AAGGAGGAAAACACGCGGAGTTTGTGTAACGACAAGCGTGCAGTGGCGGCACAGCGGCAG  
 CGCTACGAGCAGTACAGCGTGGTGGTGGAGGAGGTGCCACTGCAGCCAGGCGAGAGCCTG  
 CCTACCACAGTGTCTACTACGAGGATGAGTACGATGACACATACGATGGCAACCAGGTG  
 GGGCCCAATGATGCAGACTCTGATGACGAGCTCATCAGCCGAGGCCATTCACCATCCCT  
 CAGGTGCTGAGAACCAAAGTGCCTAGAGAAGGGCAGGAGGAGGATGACGACGATGAGGAA  
 GACGATGCTGACGAGGAGGCTCCCAAGCCCGACCATTTTGTTCAGGACCTGCAGTGCTG  
 AGAGAGAAGGCAGAAGCCAGGCGCATGGCCTTTCTCGCCAAGAAAGGGTACCGGCATGAC  
 AGCTCAACAGCAGTGGCCGCGAGCCCCGAGCCATGGGCAGAGCCGCGAGACAACCCAG  
 GAACGCAGGAAGAAGGAAGCCAACAAGGCGACAAGAGCCAACCACAACCGGAGAACCATG  
 GCCGACCGCAAGAGGAGCAAAGGCATGATCCATCCTGAGACCTGGTGCAGGGCCAGTGG  
 GGAGGCAGCGGCACCAGACTCACAGGCCGTGCTCCATCGCCTGGGGCCTCCTCACTAG  
 GGGCCCCAAGTTCAACTCAACCCTCAACAGCCTCAGCTTTGCAGCCCTGAGAAGGCCG  
 CCTCTCATCTACCAGCCAGCCATGAGCGCCTTCTGCAGAACACACAGTGCCTTATGCCA  
 CAGCCGAAGAATCCGTGGGGCCGCAAGCAGGCACCTTCCCCAGCTGCGCTAGCGGGAA  
 AGAGATGGGGATGGAGTCCCAAGGCAAGCGCCCCAAACCTCGGGCCACAAGACACCCTT  
 CCCCTTACCCTGGACAGCAGGAAACCTGTATATTCAAAAACACAAAAAGTCTGTCTAAT  
 AAAATTTTGGACCTTTCAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_032204

<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>OTI Annotation:</b>	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.
<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>	<u><a href="#">NM_032204.3</a></u> , <u><a href="#">NP_115580.2</a></u>
<b>RefSeq Size:</b>	2799 bp
<b>RefSeq ORF:</b>	2274 bp
<b>Locus ID:</b>	84164
<b>UniProt ID:</b>	<u><a href="#">Q9H1I8</a></u>
<b>Cytogenetics:</b>	22q12.2
<b>Domains:</b>	CUE
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	Plays a role in DNA damage repair as component of the ASCC complex. Recruits ASCC3 and ALKBH3 to sites of DNA damage by binding to polyubiquitinated proteins that have 'Lys-63'-linked polyubiquitin chains (PubMed:29144457). Part of the ASC-1 complex that enhances NF-kappa-B, SRF and AP1 transactivation (PubMed:12077347).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).