

## Product datasheet for **MC201105**

### Ascc2 (NM\_029291) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ascc2 (NM_029291) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ascc2
Synonyms:	1700011111Rik; 2610034L15Rik; AI482016; ASC1p100; AW046480
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC013537 sequence for NM\_029291  
 GCTGAACATCTCGGGTGTGGAGCCGGGAGGAGGGTCACACAGCACAATGCCAGCTCTGCCCTGGACCA  
 ACTCCAGATCACCACAAAGACCCGAAGACAGGACAGCCGAAGACTTCAGCAGCGCTGAACCCTGAGCAG  
 AAGGCAGACCGGTATTTTGTGTTGTACAAACCGCCCTAAAGACAACATTCCCAGCCTAGTGGAGGAGT  
 ACCTGGAACGTGCCAACTTCGTAGCTAATGACCTCGACTGGCTCCTGGCCTTGCCTCACGATAAATTCTG  
 GTGCCAGGTTATTTTGTGATGAGACCCTGCAGAAGTGCCTGGACTCCTACCTGCACATGTACCCCGAAAG  
 TTTGATGAGTGGGTGGCCCGACCCCTGAGGTGGCTGACATGCAGAATCACCTGCACCCGGAGTGTTCCT  
 TCACCTTCTCCGAATGTCCACGCACAAGGAATCCAAAGACCACTTCATTCTCCATCTGCATTTGGAGA  
 AATCCTCTACAACAACCTCCTCTTTGACATCCCGAAGATCCTGGACCTCTGTGTGCTCTTTGGAAAAGGC  
 AACTCACCCTGCTCCAGAAAATGATAGGAAACATATTTACCCAGCAGCCAAGTACTATACTGACCTGG  
 ATGAAACCATTCCACCATACTCAGGTCTCAGCAATATCCTCCAGCACTGTGGTTTGAAGGGGATGG  
 GACCAGCACACACCCAGAACTCGGGGAGAGGAGTCCGTTGACCCCACTGACATGCCTCTCTTGAA  
 TTAAGGACATTGTTCTACCTGTGTGACACCTCCACCACACTGGGCCTTTCTGGACATCTTCCTT  
 TGGCCTGCCAAACCTCCAGAAACATGACTTTTGTACAGACTAGCTTCCTTTTATGAGATGGCAATTCC  
 GGAATTGGAGTCTGCAATTAAGAAGAGGAGGCTTGAAGACAGCAAGCTCCTGGGTGACATGTGCCAGAGG  
 CTCTCCATTCCAAGAAGAGCTAATGGAGGTGTTTACATCATCCTGAACCAGATCTGCCTGCTTCCCA  
 TTCTAGAGAGCAGCTGTGACAACATTCAAGGCTTCATTGAAGAATTCCTTCAAATCTTCAGCTCTTACT  
 GCAGGAAAAAAGATTCTCCGTGACTACGACACATTCTCCCTGTAGCTGAAGATATCAGCTTGCTGCAG  
 CAAGCTTCATCAGCCTTGGATGAGACCCGGACTGCCTACATCCTCCAGGCTGTGGAAAGTGCCTGGGAA  
 GGGTTGACAGACAGAAAATCAAGGACATTAAGACCCACCAAGGGCAAGGGTTCAATAATGAAGTCAC  
 AGTGACAGCAGAGCCGGTCAAGTGAAGTCCATCCAGCTGGAGAAGTCTAGAGAGGATGAGGAGTGCATG  
 GGTGCAGCAGCTGCGCTGGGCCCTGCCGTGAGTGGTGTGGAAGTACTACTCATCTCCAAGTGAAGG  
 ACCTGCTGCCAGACCTCGCGGAGGGCTTTATTCTGGCCTGCCTGGAGCACTACAGCTATGACTCAGAGCA  
 GGATGATCAACAACATCCTGGAGGATCGGCTGGCCCTGAGCTCAGTCAGCTGGACCGAGGCTAGAAAGA  
 CAAGTGAAGCCGACCCCTACACCCTGTTGTCATCTCGTCACAACATCTTCCAGAACGATGAGTTTGATG  
 TGTTTCAGCAGGGACTCGGTGGACCTGAGCCGAGTGCACAAGGGCAGGAGGAAGGAGGAGAAGCTGAGGAG  
 CCTGGTGAATGACAAGCAGGCTGTGGTGGCACAGTGGCAGCGCTACCAGAAGTACAGCGTGGTGGTAGAG  
 GAGGTCCCTGCAGCCAGGAGAATACCAGGCTGATGACTATGAGGACGAGTATGACGACACATACGATG  
 GCAACCAGGTGGGCGCAACGATGCAGACTCTGATGACGAGCTCATCAGCCGAGGCCCTTACCATCCC  
 TCAGGTGCTGAGAACCAAAATGCCTGGCGAAGTGCAGGAGGAGGAGTGGGATGAAGAGGATGAGGTGGAA  
 GAGGAGGCCCCCAAGCCAGACATTTTCCAGGATCCTGCAGTCTGAGGAAAAGGCTGAAGCCAGGC  
 GCATGGCCTTCTCGCCAGGAAGGGTATCGGCCCTGAGAACTCCACGGCAGTAACAGGCGCCCGGGGG  
 CCATGGGCAAAGCCGGGAAACAACCCAGGAACGCAGGAAGAAAGAAGCCAACAAGGCAGCCAGAGCCAAC  
 CACAACCGTAGAACCATGGCTGACCCGAAAAGAAGCAAAGGCATGATTCCATCCTGAGACCAAGCTGC  
 CTGGACGAGGGACGCCTTCAAGGCAGCTCTGCCCTCATGACCCTCAAGACCTACCAGCCAGCCGTGAGCG  
 CCTTCTTGTCAAACACACAGTGCCTTATCCTTTGGTGGAGGAACCCAGTGCATCAAGCAGGCTGTCTCC  
 CAGCTGTGCTGGCGGAAAGGATGGGGATGCCGAACCAAGTGTCTTTTATCTTGTGCAGCGAGGCCACCA  
 CCTCCGGAAGTCTGGATGGCAGGAGACCTGTATATTCAGAAGCAACGAAAGGCCATGAATAAAGTTTC  
 TGACCTCCGGCAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM\_029291
- Insert Size:** 2250 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:**

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:** [BC013537](#), [AAH13537](#)

**RefSeq Size:** 2623 bp

**RefSeq ORF:** 2250 bp

**Locus ID:** 75452

**UniProt ID:** [Q91WR3](#)

**Cytogenetics:** 11 A1

**Gene Summary:** 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. Part of the ASC-1 complex that enhances NF-kappa-B, SRF and AP1 transactivation.[UniProtKB/Swiss-Prot Function]