

Product datasheet for **SC331925**

ASCC2 (NM_001242906) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASCC2 (NM_001242906) Human Untagged Clone
Tag:	Tag Free
Symbol:	ASCC2
Synonyms:	ASC1p100; p100
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC331925 representing NM_001242906.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCAGCTCTGCCCTGGACCAACTCCAGATCACCCACAAGGACCCGAAGACAGGAAAGCTGAGGACT
TCACCAGCGCTGGTGATCTTTGACGAGACTCTACAGAAGTGCCTGGACTCCTACCTGCGCTATGTCCCC
CGCAAATTCGACGAGGGGTGGCCTCAGCCCCTGAGGTTGTTGACATGCAGAAGCGCCTCCATCGAAGT
GTTTTTCTCACCTTCTCCGCATGTCCACTCACAAGGAATCCAAAATCCTGGACCTCTGCGTCTTTT
GGAAAAGGCAACTCACCCTGCTCCAGAAGATGATAGGAAACATCTTTACACAGCAGCCAAGTTACTAC
AGTGACCTGGATGAAACCTGCCTACCATCCTTCAGGTCTTCAGCAATATCCTCCAGCACTGTGGTTTG
CAAGGGGACGGGGCAATACCACACCCCAAGGCTTGGAGAGAGGGGCGGATTGACCCCCAGTGACATG
CCTCTCTGGAATTAAGGACATTGTTCTCTACCTTTGTGATACCTGCACCACACTTTGGCCTTTCTG
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GAAGCAGCAATCCCGAAATGGAGTCTGCAATTAAGAAGAGGAGGCTTGAAGATAGCAAGCTTCTGGT
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CAGCGGCAGCGCTACGAGCAGTACAGCGTGGTGGTGGAGGAGGTGCCACTGCAGCCAGGCGAGAGCTG
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GTGCTAGAGAAGGGCAGGAGGAGGATGACGACGATGAGGAAGACGATGCTGACGAGGAGGCTCCCAAG
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GCCAAGAAAGGGTACCGCATGACAGCTCAACAGCAGTGGCCGCGAGCCCCGAGGCCATGGGCAGAGC
CGCGAGACAACCCAGGAACGACGAGGAAGAAGGAAGCAACAAGGCGACAAGAGCCAACCAACCGGAGA
ACCATGGCCGACCGCAAGAGGAGCAAAGGCATGATCCCATCTGA
  
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Restriction Sites: Sgfl-MluI

ACCN: NM_001242906

Insert Size: 2046 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: [NM_001242906.1](#)

RefSeq Size: 2612 bp

RefSeq ORF: 2046 bp

Locus ID: 84164

UniProt ID: [Q9H118](#)

Cytogenetics: 22q12.2

Protein Families: Druggable Genome, Transcription Factors

MW: 77.4 kDa

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 (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 (2) lacks a coding exon and uses an alternate splice site in the 5' coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.