

Product datasheet for **SC337329**

ASCC3 (NM_001284271) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASCC3 (NM_001284271) Human Untagged Clone
Tag:	Tag Free
Symbol:	ASCC3
Synonyms:	ASC1p200; HELIC1; RNAH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001284271, the custom clone sequence may differ by one or more nucleotides

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ATGGCTTTACCTCGTCTCACAGGAGCCTTGCCTTCTTTCAAATGTCACCAAGCAAGATAATTATAATG
AAGAAGTGGCTGACTTAAAGATAAAGCGATCTAACTTCATGAACAAGTTTTAGATTTGGCCTGACATG
GAAGAAGATAATAAAATTTTTGAATGAAAACTGGAGAAGAGTAAATGCAAAGTATAAATGAAGACTTA
AAAGATATATTACATGCTGCAAAGCAGATAGTTGGAAGTATAATGGGAGAGAAGCAATTGAAAGTGGG
CTGCATTTCTCTTCATGACATTTCACTTGAAGGACTCTGTTGGTCAACAAGGAAACAAAGGCTATCAACA
GATGTTTGGCCCTTTCTTCATCATCTGCCACTGCAGCTTGAATGCTACTAATCGAATTATTTCTCAT
TTTAGTCAAGATGATCTTACTGCTTGTGCAGATGACAGAAAAAGAACATGGCGATAGGGTTTTTTTTG
GTAATAATTTAGCATTTTCATTTGACATGCATGATTTGGACCCTTTGACGAACTGCCAATAAATGGTGA
AACTCAGAAAACATAAGCCTAGATTATAAGAAGTTTCTGAATGAACATCTCCAGGAGGCTTGCACCCCA
GAACTCAAGCCTGTGAAAAACAAATGGCTCCTTTTTGTGGTGTGAAGTTGAAAAGTACCTAAATTCAA
CTTTGAAGGAAATGACTGAAGTCCAAGAGTAGAAGATCTTGTGCTACTTTATATGATATGCTTGTCTC
TATTAAGTGGTGTGAACTTCAGGATGAGCTATTTGAACTGCTGGGACTTGAAGGACTTGAACCTATT
GAGAACTCCTCCAGAACAGAATTACAATTGTGGATAGATTTCTTAATCTTCAAATGATCATAGGTTTC
AGGCTCTTCAAGACAATTGTAATAAATTTTAGGAGAAAATGCTAAACCAATTATGTTGTCAAGTCAAC
TATTCAGTCTGAACAAGAAAAGCAGTAAATGAAACAATATCGACGTGAAGAAAAAGAAATGCCAGACGA
GAAAAAAGGCTGGAGAAGATTTAGAAGTTTCAAGGACTTATGTGCTTTGATCCTAAGGAATTGCGGA
TACAAAGAGAACAGGCCTTCTGAATGCTAGAAGTGTCCAATCTGAGCAGGCAGAGAGATGCAGACGT
TGAAAAAATACATTATCCCATGTGTATGATTTCCAGGCTGAAGCCATGAAAACATCAGCATTTATTGCT
GGTGCAAAGATGATTTTCCAGAAGGAATCCAAAGAGAGAATAACAAGCTTTATGAAGAAGTAAGGATTC
CCTACAGCGAACCAATGCCACTCAGCTTTGAGGAAAAGCCAGTTTATATCCAAGACTTAGATGAGATCGG
ACAGCTGGCTTTTAAAGGAATGAAGAGACTCAATAGAATCCAGTCAATAGTGTGTTGAGACTGCCTACAAC
ACCAATGAGAACATGCTGATTTGTGCCCTACAGGAGCTGGAAAAACCAACATTGCAATGCTGACAGTCT
TGCATGAAATTCGCCAACATTTTCAACAAGGTGTATCAAAAAGAATGAATTTAAGATTGTATATGTTGC
TCCAATGAAAGCCTTGGCAGCTGAAATGACAGATTACTTCAGCAGACGTCTAGAGCCACTAGGCATCATT
GTGAAAGAATTGACTGGTGCATGCAGTGTCCAAAAGTGAATTTTACGAACTCAGATGCTTGTGACCA
CACCAGAAAAATGGGATGTAGTACAAGAAAGAGTGTGGGGATGTAGCTTTTCCAGATTGTAAGGCT
CCTTATTCTTGATGAAGTTCATTTGCTGCATGAAGATAGAGGACCAGTATTAGAAAGCATAGTTGCCGT
ACTTTACGGCAGGTGGAATCCACACAGAGTATGATAAGGATTCTCGGACTGTCTGCAACTTACCTAACT
ACCTCGATGTTGCCACATTTTTACATGTTAATCCATACATTGGACTTTTCTTCTTGTGATGGCCGTTTTCG
ACCAGTACCTCTTGGACAGACATTTTTGGGGATTAATGTGCAAATAAGATGCAGCAGTTGAATAACATG
GATGAAGTATGTTATGAAAATGTTTTGAAGCAAGTAAAGGCTGGACACCAGGTACTTATTTTTATCTGC
TTTTACTTATTTATCTGCTTTTAG
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Restriction Sites: SgfI-MluI

ACCN: NM_001284271

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_001284271.1](#), [NP_001271200.1](#)

RefSeq Size: 2849 bp

RefSeq ORF: 2196 bp

Locus ID: 10973

UniProt ID: [Q8N3C0](#)

Cytogenetics: 6q16.3

Protein Families: Transcription Factors

Gene Summary: This gene encodes a protein that belongs to a family of helicases that are involved in the ATP-dependent unwinding of nucleic acid duplexes. The encoded protein is the largest subunit of the activating signal cointegrator 1 complex that is involved in DNA repair and resistance to alkylation damage. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

Transcript Variant: This variant (3) lacks several exons in the 3' coding region and its 3' terminal exon extends past a splice site that is used in variant 1. This results in a novel 3' coding region and 3' UTR compared to variant 1. The encoded protein (isoform c) has a distinct C-terminus and is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.