

Product datasheet for **SC309878**

ASCC3 (NM_006828) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASCC3 (NM_006828) Human Untagged Clone
Tag:	Tag Free
Symbol:	ASCC3
Synonyms:	ASC1p200; HELIC1; RNAH
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006828, the custom clone sequence may differ by one or more nucleotides

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 CAAGCGAGTCTTTCTGCACAGGTCAACACCAAGGTCTCTGATTCCCTGACTGACCTGGCA
 TTAAGTAA

- Restriction Sites:** Please inquire
- ACCN:** NM_006828
- 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).
- OTI Annotation:** 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.
- 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_006828.2](#), [NP_006819.2](#)

RefSeq Size: 7598 bp

RefSeq ORF: 6609 bp

Locus ID: 10973

UniProt ID: [Q8N3C0](#)

Cytogenetics: 6q16.3

Domains: DEAD, helicase_C, AAA, Sec63

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 (1) represents the longest transcript and encodes the longest isoform (a).