

Product datasheet for **RC239435**

ASCC3 (NM_001284271) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASCC3 (NM_001284271) Human Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide
Sequence:

>RC239435 representing NM_001284271
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTTTACCTCGTCTCACAGGAGCCTTGCCTTTTCAAATGTCACCAAGCAAGATAATTATAATG
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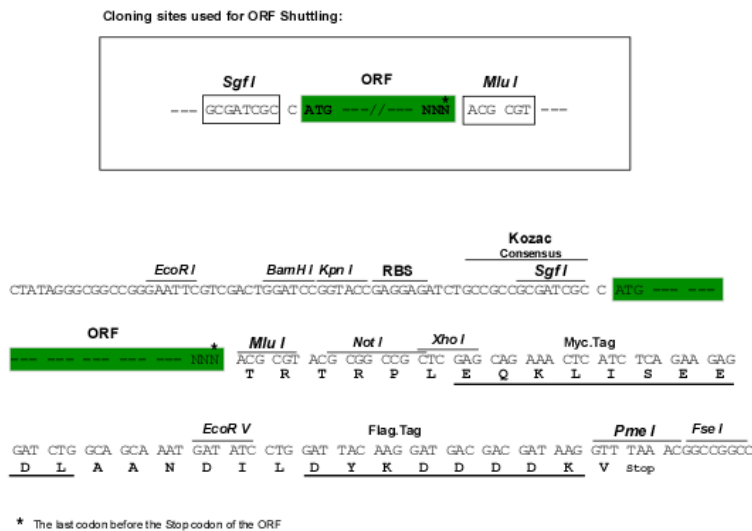
Protein Sequence: >RC239435 representing NM_001284271
Red=Cloning site Green=Tags(s)

MALPRLTGALRSFSNVTKQDNYNEEVADLKIKRSKLHEQVLDLGLTWKKIIKFLNEKLEKSKMQSINEDL
 KDILHAAKQIVGTDNGREATIESGA AFLFMTFHLKDSVGHKETAIKQMFPPSSSATAACNATNRIISH
 FSQDDL TALVQMTKEHGDVRFVFGKNLAFSFDMDHLDHFDLDELPI NGETQKTIISLDYKFLNEHLQEACTP
 ELKPVEKTNGSFLWCEVEKYLNSTLKEMTEVPRVEDL CCTLYDMLASIKSGDELQDEL FELLGPEGLELI
 EKLLQNRITIVDRFLNSSNDHRFQALQDNCKKILGENAKPNYGCQVTIQSEQEQQLMKQYRREEKRIARR
 EKKAGEDLEVSEGLMCFDPKELRIQREQALLNARSVPILSRQRADVEKIHYPHYVDSQAEAMKTSAFIA
 GAKMILPEGIQRENKLYEEVRIPYSEPMPLSFEKPVYIQDLDEIGQLAFKGMKRLNRIQSIVFETAYN
 TNENMLICAPTGAGKTNIAMLTVLHEIRQHFQQGVIKNEFKIVYVAPMKALAAEMTDYFSRRLEPLGII
 VKELTGMQLSKSEILRTQMLVTTPEKWDVVTRKSVG DVALSQIVRLLILDEVHLLHEDRGPVLESIVAR
 TLRQVESTQSMIRILGLSATLPNYLDVATFLHVNPIYIGLFFFDGRFRPVPLGQTFLGIKCANKMQQLNMM
 DEVCYENVLKQVKAGHQVHLFYLLHLHFICF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001284271

ORF Size: 2193 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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](#)

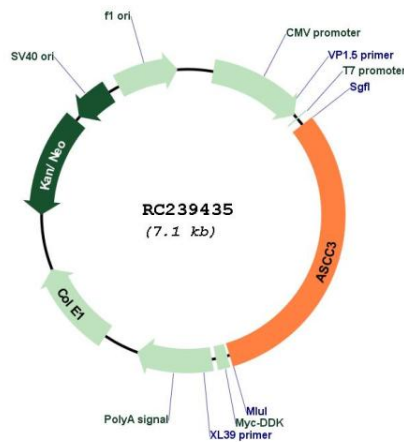
Cytogenetics: 6q16.3

Protein Families: Transcription Factors

MW: 84.1 kDa

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]

Product images:



Circular map for RC239435