

## Product datasheet for RC223150

### ASCC3 (NM\_022091) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ASCC3 (NM\_022091) 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)  
**ORF Nucleotide Sequence:** >RC223150 representing NM\_022091  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCTTTACCTCGTCTCACAGGAGCCTTGCCTTCTTTCAAATGTCACCAAGCAAGATAATTATAATG  
 AAGAAGTGGCTGACTTAAAGATAAAGCGATCTAACTTCATGAACAAGTTTTAGATTTGGGCTGACATG  
 GAAGAAGATAATAAAATTTTGAATGAAAACCTGGAGAAGAGTAAATGCAAAGTATAAATGAAGACTTA  
 AAAGATATATTACATGCTCAAAGCAGATAGAAGTGAATTGTCCATTCCAGAAGAGGAGGCTGGATGGAA  
 AAGAGGAGGATGAGAAGATGAGCAGAGCTTCTGACAGATTCAGAGGACTAAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC223150 representing NM\_022091  
 Red=Cloning site Green=Tags(s)  
 MALPRLTGALRSFSNVTKQDNYNEEVADLKIKRSKLHEQVLDLGLTWKKIKFLNEKLEKSKMQSINEDL  
 KDILHAAKQIEVNCPFQKRRLDGKEEDEKMSRASDRFRGLR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_022091

**ORF Size:** 333 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.

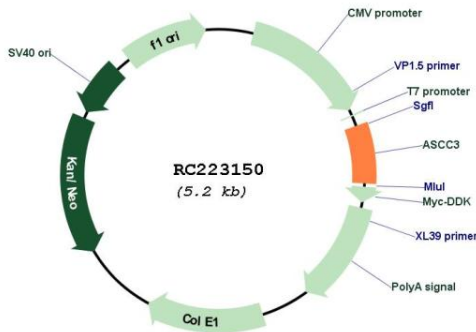
**RefSeq:** [NM\\_022091.4](#)

**RefSeq Size:** 700 bp

**RefSeq ORF:** 336 bp

**Locus ID:** 10973  
**UniProt ID:** [Q8N3C0](#)  
**Cytogenetics:** 6q16.3  
**Protein Families:** Transcription Factors  
**MW:** 12.8 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 RC223150