

## Product datasheet for **RG223150**

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

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ASCC3 (NM\_022091) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ASCC3  
**Synonyms:** ASC1p200; HELIC1; RNAH  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG223150 representing NM\_022091  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTTTACCTCGTCTCACAGGAGCCTTGCCTTCTTTCAAATGTCACCAAGCAAGATAATTATAATG  
AAGAAGTGGCTGACTTAAAGATAAAGCGATCTAACTTCATGAACAAGTTTTAGATTTGGGCTGACATG  
GAAGAAGATAATAAAATTTTTGAATGAAAACTGGAGAAGAGTAAATGCAAAGTATAAATGAAGACTTA  
AAAGATATATTACATGCTCAAAGCAGATAGAAGTGAATTGTCCATTCCAGAAGAGGAGGCTGGATGGAA  
AAGAGGAGGATGAGAAGATGAGCAGAGCTTCTGACAGATTAGAGGACTAAGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG223150 representing NM\_022091  
Red=Cloning site Green=Tags(s)  
MALPRLTGALRSFSNVTKQDNYNEEVADLKIKRSLHEQVLDLGLTWKKI IKFLNEKLEKSKMQSINEDL  
KDILHAAKQIEVNCPFQKRRLDGKEEDEKMSRASDRFRGLR

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_022091.4</a></u>
<b>RefSeq Size:</b>	700 bp
<b>RefSeq ORF:</b>	336 bp
<b>Locus ID:</b>	10973
<b>UniProt ID:</b>	<u><a href="#">Q8N3C0</a></u>
<b>Cytogenetics:</b>	6q16.3
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	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]