

Product datasheet for **RG239435**

ASCC3 (NM_001284271) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASCC3 (NM_001284271) 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)



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**ORF Nucleotide
Sequence:**

>RG239435 representing NM_001284271.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCTTACCTCGTCTCACAGGAGCCTTGCCTTCCTTTTCAAATGTCACCAAGCAAGATAATTATAAT
GAAGAAGTGGCTGACTTAAAGATAAAGCGATCTAACTCATGAACAAGTTTTAGATTTGGCCTGACA
TGGAAGAAGATAATAAAATTTTGAATGAAAACTGGAGAAGAGTAAAATGCAAAGTATAAATGAAGAC
TTAAAAGATATATTACATGCTGCAAAGCAGATAGTTGAACTGATAATGGGAGAGAAGCAATTGAAAGT
GGGGCTGCATTTCTTTCATGACATTTCACTTGAAGGACTCTGTTGGTCAACAAGGAAACAAAGGCTATC
AAACAGATGTTTGGCCCTTTCTTTCATCATCTGCCACTGCAGCTTGTAAATGCTACTAATCGAATTATT
TCTCATTTTAGTCAAGATGATCTTACTGCTTGTGTGCAGATGACAGAAAAAGAACATGGCGATAGGGTT
TTTTTGGTAAAAATTTAGCATTTTCATTTGACATGCATGATTTGGACCCTTTGACGAAGTCCAAATA
AATGGTAAAACAGAAAACTATAAGCCTAGATTATAAGAAGTTTCTGAATGAACATCTCCAGGAGGCT
TGCACCCAGAACTCAAGCCTGTGAAAAACAAATGGCTCCTTTTTGTGGTGTGAAGTTGAAAAGTAC
CTAAATCAACTTTGAAGGAAATGACTGAAGTGCCAAGAGTAGAAGATCTTTGCTGTACTTTATATGAT
ATGCTTGCTTCTATTAAGTGGTGATGAACCTCAGGATGAGCTATTTGAACTGTGGGACCTGAAGGA
CTTGAACCTATTGAGAACTCCTCCAGAACAGAATTACAATTGTGGATAGATTTCTTAATCTTCAAAT
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TATGAAGAAGTAAGGATCCCTACAGCGAACCAATGCCACTCAGCTTTGAGGAAAAGCCAGTTTATATC
CAAGACTTAGATGAGATCGGACAGCTGGCTTTAAAGGAATGAAGAGACTCAATAGAATCCAGTCAATA
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GGACTTTTCTTTGATGGCCGTTTTCGACCAGTACCTCTTGGACAGACATTTTGGGGATTAATGT
GCAAAATAAGATGCAGCAGTTGAATAACATGGATGAAGTATGTTATGAAAATGTTTTGAAGCAAGTAAAG
GCTGGACACCAGGTACACTTATTTTATCTGCTTTACACTTATTTATCTGCTTT
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
  
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Protein Sequence: >Peptide sequence encoded by RG239435
 Blue=ORF Red=Cloning site Green=Tag(s)

MALPRLTGALRSFSNVTKQDNYNEEVADLKIKRSKLHEQVLDLGLTWKKIIKFLNEKLEKSKMQSINED
 LKDI LHA AKQIVGTDNGREAI ESGAAFLFMTFHLKDSVGHKETKAIKQMF GPFSSATAACNATNRII
 SHFSQDDL TALVQMTEKEHGDRVFFGKNLAFSFDMDHLDFDELPI NGETQKTISLDYKKFLNEHLQEA
 CTPELKPVEKTNGSFLWCEVEKYLNSTLKEMTEVPRVEDLCTLYDMLASIKSGDELQDEL FELLGPEG
 LELIEKLLQNRITIVDRFLNSSNDHRFQALQDNCKKILGENAKPNYGCQVTIQSEQEQLMKQYRREEK
 R IARREKKAGEDLEVSEGLMCFDPKELRIQREQALLNARSVPILSRQRDADVEKIHYPHYVDSQAEAMK
 TSAFIAGAKMILPEGIQRENNKLYEEVRIPYSEPMPLSFEKPYVIQDLDEIGQLAFKGMKRLNRIQSI
 VFETAYNTNENMLICAPTGAGKTNIAMLTVLHEIRQHFQGVIKKNEFKIYVAPMKALAAEMTDYFSR
 RLEPLGIIVKELTGMQLSKSEILRTQMLVTTPEKWDVVTRKSVG DVALSQIVRLLILDEVHLLHEDRG
 PVLESIVARTLRQVESTQSMIRILGLSATLPNYLDVATFLHVNPYIGLFFDGRFRPVPLGQTF LGIKC
 ANKMQLNMDVVCYENVLKQVKAGHQVHLFYLLHLFICF
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYP SGYENPFLHAINNGGYTNRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFLSRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001284271

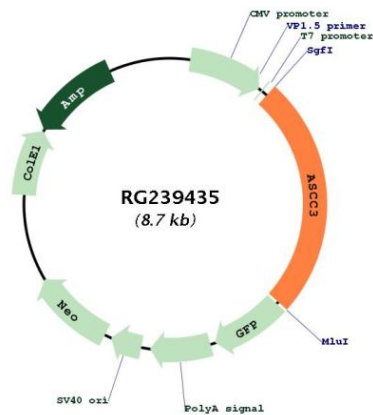
ORF Size: 2193 bp

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).
RefSeq:	<u>NM_001284271.1, NP_001271200.1</u>
RefSeq Size:	2849 bp
RefSeq ORF:	2196 bp
Locus ID:	10973
UniProt ID:	<u>Q8N3C0</u>
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 RG239435