

## Product datasheet for **RG233864**

### ASCC1 (NM\_001198800) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ASCC1 (NM_001198800) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ASCC1
Synonyms:	ASC1p50; CGI-18; p50; SMABF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233864 representing NM_001198800 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGTTCTGCGTCCACAGCTTATAAGAATTGATGGCCGGAATTACAGGAAGAATCCAGTCCAAGAAC  
AGACCTATCAACATGAAGAAGATGAAGAGGACTTCTATCAAGGCTCCATGGAGTGTGCTGATGAGCCCTG  
TGATGCCTACGAGGTGGAGCAGACCCACAAGGATTCGGTCTACTTTGAGGGCCCCAGCTTGCTCTAT  
AAGCATATAGTTGAAAGAGAGGGGACACTAGGAAGAAAATAGAAATGGAGACAAAACCTCTATTAGCA  
TTCCTAAACCTGGACAAGACGGGAAATGTAATCACTGGCCAGCATCGAAATGGTGTAAATTCAGCCCG  
AACACGGATTGATGTTCTTTGGACACTTTTCGAAGAAAGCAGCCCTCACTCACTTCCTTGCTTTTTTC  
CTCAATGAAGTTGAGGTTGAGGAAGGATTCCTGAGATTCCAGGAGGAAGTACTGGCGAAGTGCTCCATGG  
ATCATGGGGTTGACAGCAGCATTTCAGAAATCCTAAAAAGCTTCATCTAACTATTGGGATGTTGGTGCT  
TTTGAGTGAGGAAGAGATCCAGCAGACATGTGAGATGCTACAGCAGTGTAAAGAGGAATTCATTAATGAT  
ATTTCTGGGGGTAACCCCTAGAAGTGGAGATGGCAGGGATAGAATACATGAATGATGATCCTGGCATGG  
TGGATGTTCTTTACGCCAAAGTCCATATGAAAGATGGCTCCAACAGGCTACAAGAATTAGTTGATCGAGT  
GCTGGAACGTTTTTCAGGCATCTGGACTAATAGTAAAGAGTGGAAATAGTGTGAAACTGCATGCTACAGTT  
ATGAATACACTATTCAGGAAAGACCCCAATGCTGAAGGCAGGTACAATCTCACAGCGGAAGGCAAAT  
ATATCTTCAAGGAAAGAGAATCATTGATGGCCGAAATATTTAAAGTTGTTGAGAACTTCTACTTTGG  
CTCCCTAAAGCTGAATTCATTCACATCTCTCAGAGGTTACCCTAGACAGCTTTGGAACTACGCTTCC  
TGTGGACAAATTGACTTCTCC

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG233864 representing NM\_001198800  
Red=Cloning site Green=Tags(s)

MEVLRPQLIRIDGRNYRKNPVQEQTYYQHEEEDDFYQGSMECADEPCDAYEVEQTPQGFRSTLRAPSLLY  
 KHIYVGRGDRKKIEMETKTSISIPKPGQDGEIVITGQHRNGVISARTRIDVLLDTFRKQPFTHFLAFF  
 LNEVEVQEGFLRFQEEVLAKCSMDHGVDSIFQNPKKLHLTIGMLVLLSEEEIQQTCEMLQQCKEEFIND  
 ISGGKPLEVEMAGIEYMNDPPGMVDVL YAKVHMKDGSNRLQELVDRVLERFQASGLIVKEWNSVKLHATV  
 MNTLFRKDPNAEGRYNLYTAEGKYIFKERESFDGRNLIKLFENFYGSLKLNLSIHISQRFTVDSFGNYAS  
 CGQIDFS

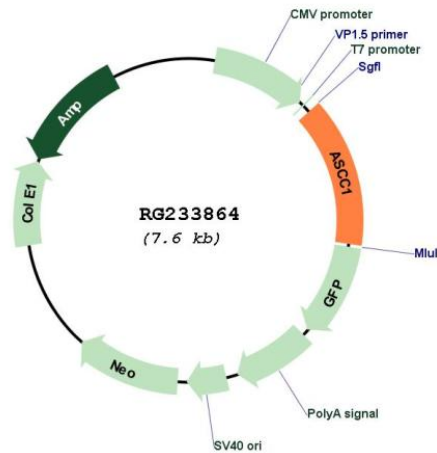
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001198800

<b>ORF Size:</b>	1071 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<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>	<a href="#">NM_001198800.3</a>
<b>RefSeq Size:</b>	2644 bp
<b>RefSeq ORF:</b>	1074 bp
<b>Locus ID:</b>	51008
<b>UniProt ID:</b>	<a href="#">Q8N9N2</a>
<b>Cytogenetics:</b>	10q22.1
<b>Gene Summary:</b>	This gene encodes a subunit of the activating signal cointegrator 1 (ASC-1) complex. The ASC-1 complex is a transcriptional coactivator that plays an important role in gene transactivation by multiple transcription factors including activating protein 1 (AP-1), nuclear factor kappa-B (NF-kB) and serum response factor (SRF). The encoded protein contains an N-terminal KH-type RNA-binding motif which is required for AP-1 transactivation by the ASC-1 complex. Mutations in this gene are associated with Barrett esophagus and esophageal adenocarcinoma. Alternatively spliced transcripts encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]