OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC201872

ASCC1 (NM_015947) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASCC1 (NM_015947) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ASCC1
Synonyms:	ASC1p50; CGI-18; RP11-150D20.4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

```
>RC201872 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAGTTCTGCGTCCACAGCTTATAAGAATTGATGGCCGGAATTACAGGAAGAATCCAGTCCAAGAAC
AGACCTATCAACATGAAGAAGATGAAGAGGACTTCTATCAAGGCTCCATGGAGTGTGCTGATGAGCCCTG
TGATGCCTACGAGGTGGAGCAGACCCCACAAGGATTCCGGTCTACTTTGAGGGCCCCCAGCTTGCTCTAT
AAGCATATAGTTGGAAAGAGAGGGGACACTAGGAAGAAAATAGAAATGGAGACCAAAACTTCTATTAGCA
TTCCTAAACCTGGACAAGACGGGGAAATTGTAATCACTGGCCAGCATCGAAATGGTGTAATTTCAGCCCG
AACACGGATTGATGTTCTTTTGGACACTTTTCGAAGAAAGCAGCCCTTCACTCACTTCCTTGCCTTTTTC
CTCAATGAAGTTGAGGTTCAGGAAGGATTCCTGAGATTCCAGGAGGAAGTACTGGCGAAGTGCTCCATGG
ATCATGGGGTTGACAGCAGCATTTTCCAGAATCCTAAAAAGCTTCATCTAACTATTGGGATGTTGGTGCT
TTTGAGTGAGGAAGAGATCCAGCAGACATGTGAGATGCTACAGCAGTGTAAAGAGGAATTCATTAATGAT
ATTTCTGGGGGTAAACCCCTAGAAGTGGAGATGGCAGGGATAGAATACATGAATGATGATCCTGGCATGG
TGGATGTTCTTTACGCCAAAGTCCATATGAAAGATGGCTCCAACAGGCTACAAGAATTAGTTGATCGAGT
GCTGGAACGTTTTCAGGCATCTGGACTAATAGTGAAAGAGTGGAATAGTGTGAAACTGCATGCTACAGTT
ATGAATACACTATTCAGGAAAGACCCCAATGCTGAAGGCAGGTACAATCTCTACACAGCGGAAGGCAAAT
ATATCTTCAAGGAAAGAGAATCATTTGATGGCCGAAATATTTTAAAGTTGTTTGAGAACTTCTACTTTGG
CTCCCTAAAGCTGAATTCAATTCACATCTCTCAGAGGTTCACCGTAGACAGCTTTGGAAACTACGCTTCC
TGTGGACAAATTGACTTCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

View online »

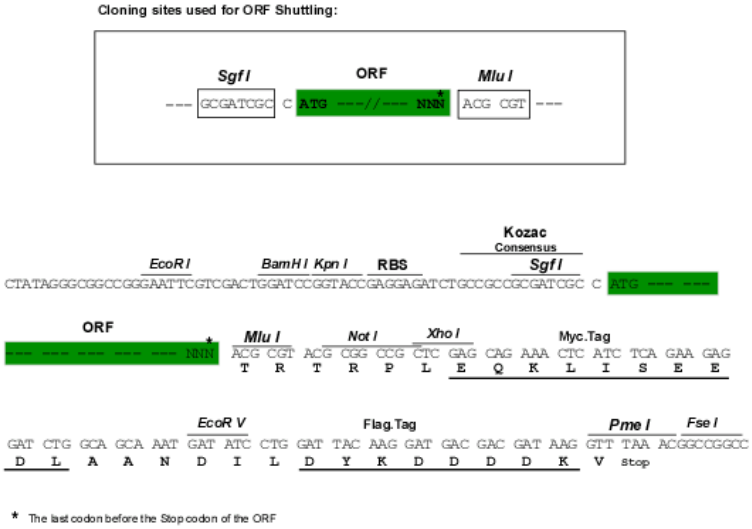
Protein Sequence:

```
>RC201872 protein sequence
Red=Cloning site Green=Tags(s)

MEVLRPQLIRIDGRNYRKNPVQEQTYQHEEDEEDFYQGSMECADEPCDAYEVEQTPQGFRSTLRAPSLLY
KHIVGKRGDTRKKIEMETKTSISIPKPGQDGEIVITGQHRNGVISARTRIDVLLDTFRRKQPFTHFLAFF
LNEVEVQEGFLRFQEEVLAKCSMDHGVDSSIFQNPKKLHLTIGMLVLLSEEEIQQTCEMLQQCKEEFIND
ISGGKPLEVEMAGIEYMNDDPGMVDVLYAKVHMKDGSNRLQELVDRVLERFQASGLIVKEWNSVKLHATV
MNTLFRKDPNAEGRYNLYTAEGKYIFKERESFDGRNILKLFENFYFGSLKLNSIHISQRFTVDSFGNYAS
CGQIDFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Chromatograms: https://cdn.origene.com/chromatograms/mk6304_b07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015947

ORF Size: 1071 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.

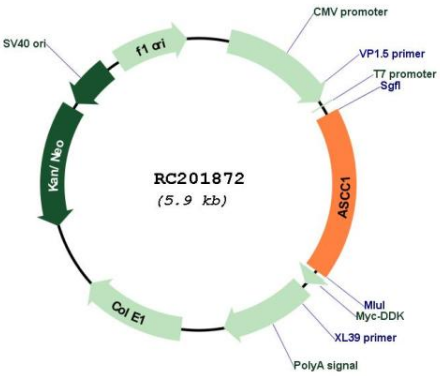
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

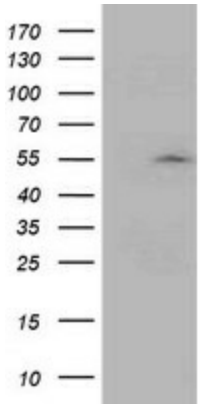
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_015947.3
RefSeq Size:	2150 bp
RefSeq ORF:	1073 bp
Locus ID:	51008
Cytogenetics:	10q22.1
Domains:	KH
MW:	41.2 kDa
Gene Summary:	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]

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

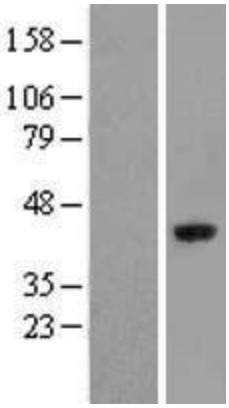
Product images:



Circular map for RC201872

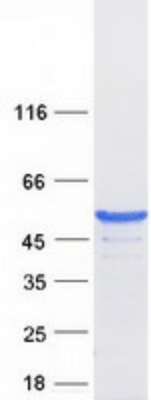


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ASCC1 (Cat# RC201872, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ASCC1(Cat# [TA503721]). Positive lysates [LY414300] (100ug) and [LC414300] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY414300]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201872 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US



Coomassie blue staining of purified ASCC1 protein (Cat# [TP301872]). The protein was produced from HEK293T cells transfected with ASCC1 cDNA clone (Cat# RC201872) using MegaTran 2.0 (Cat# [TT210002]).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US