

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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGTTCTGCGTCCACAGCTTATAAGAATTGATGGCCGGAATTACAGGAAGAATCCAGTCCAAGAAC
AGACCTATCAACATGAAGAAGATGAAGAGGACTTCTATCAAGGCTCCATGGAGTGTGCTGATGAGCCCTG
TGATGCCTACGAGGTGGAGCAGACCCACAAGGATTCGGTCTACTTTGAGGGCCCCAGCTTGCTCTAT
AAGCATATAGTTGAAAGAGAGGGGACACTAGGAAGAAAATAGAAATGGAGACCAAACTTCTATTAGCA
TTCCTAAACCTGGACAAGACGGGAAATGTAATCACTGGCCAGCATCGAAATGGTGTAAATTCAGCCCG
AACACGGATTGATGTTCTTTGGACACTTTTCGAAGAAAGCAGCCCTCACTCACTTCCTTGCTTTTTTC
CTCAATGAAGTTGAGGTTGAGGAAGGATTCCTGAGATTCCAGGAGGAAGTACTGGCGAAGTGCTCCATGG
ATCATGGGGTTGACAGCAGCATTTCAGAAATCCTAAAAAGCTTCATCTAACTATTGGGATGTTGGTGCT
TTTGAGTGAGGAAGAGATCCAGCAGACATGTGAGATGCTACAGCAGTGTAAAGAGGAATTCATTAATGAT
ATTTCTGGGGTAAACCCCTAGAAGTGGAGATGGCAGGGATAGAATACATGAATGATGATCCTGGCATGG
TGGATGTTCTTTACGCCAAAGTCCATATGAAAGATGGCTCCAACAGGCTACAAGAATTAGTTGATCGAGT
GCTGGAACGTTTTAGGCATCTGGACTAATAGTAAAGAGTGAATAGTGTGAACTGCATGCTACAGTT
ATGAATACACTATTCAGGAAAGACCCCAATGCTGAAGGCAGGTACAATCTCACAGCGGAAGGCAAAT
ATATCTTCAAGGAAAGAGAATCATTGATGGCCGAAATATTTAAAGTTGTTGAGAACTTCTACTTTGG
CTCCCTAAAGCTGAATCAATTCACATCTCTCAGAGGTTACCGTAGACAGCTTTGGAACTACGCTTCC
TGTGGACAAATTGACTTCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC201872 protein sequence
Red=Cloning site Green=Tags(s)

MEVLRPQLIRIDGRNYRKNPVQEQTQHEEDEEDFYQGSMECADEPCDAYEVEQTPQGFRSTLRAPSLLY
 KHIVGKRGDTRKKIEMETKTSISIPKPGQDGEIVITGQHRNGVISARTRIDVLLDTFRKQPFTFLAFF
 LNEVEVQEGFLRFQEEVLAKCSMDHGVDSIFQNPKKLHLTIGMLVLLSEEEIQQTCEMLQQCKEEFIND
 ISGGKPLEVEMAGIEYMNDDPGMVDVL YAKVHMKDGSNRLQELVDRVLERFQASGLIVKEWNSVKLHATV
 MNTLFRKDPNAEGRYNLYTAEGKYIFKERESFDGRNLIKLFENYFGSLKLNLSIHSQRFTVDSFGNYAS
 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).

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_015947.3](#)

RefSeq Size: 2150 bp

RefSeq ORF: 1073 bp

Locus ID: 51008

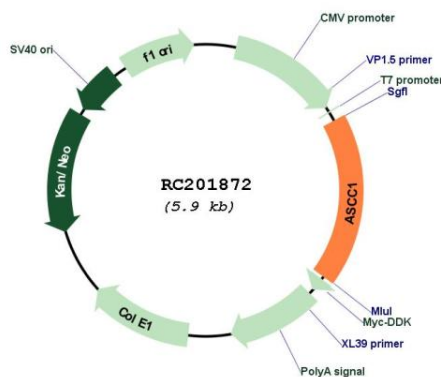
Cytogenetics: 10q22.1

Domains: KH

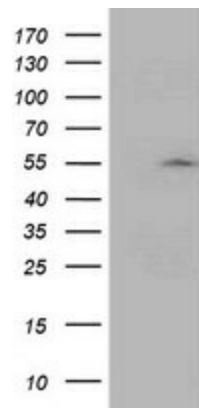
MW: 41.2 kDa

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]

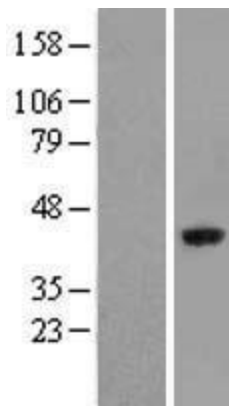
Product images:



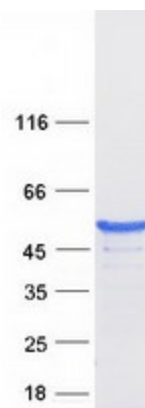
Circular map for RC201872



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 untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201872 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



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]).