

# Recombinant human ASCC1 protein

Catalog Number: ATGP2303

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-357aa

### UniProt No.

Q8N9N2

### NCBI Accession No.

NP\_001185727

### Alternative Names

Activating signal cointegrator 1 complex subunit 1, ASC1p50, CGI-18, p50

## PRODUCT SPECIFICATION

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### Molecular Weight

43.6 kDa (380aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

ASCC1 is 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 protein contains an N-terminal KH-type RNA-binding motif which is required for AP-1 transactivation by the ASC-1 complex. Mutations in ASCC1 are associated with Barrett esophagus and esophageal adenocarcinoma. Recombinant human ASCC1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by

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using conventional chromatography techniques.

## Amino acid Sequence

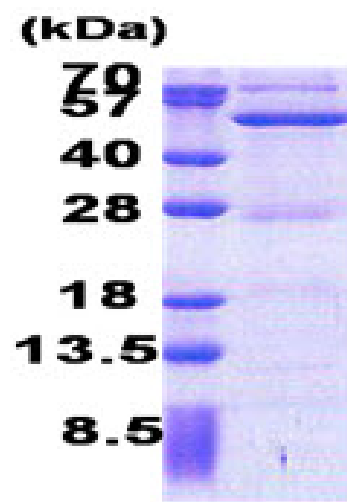
MGSSHHHHHH SSSLVPRGSH MGSMEVLRPQ LIRIDGRNYR KNPVQEQTQYQ HEEDEEDFYQ GSMECADEPC  
DAYEVEQTPQ GFRSTLRAPS LLYKHIVGKR GDTRKKIEME TKTSISIPKP GQDGEIVITG QHRNGVISAR TRIDVLLDTF  
RRKQPFTHFL AFFLNEVEVQ EGFLRFQEEV LAKCSMDHGV DSSIFQNPCK LHLTIGMLVL LSEEEIQQTC EMLQQCKEEF  
INDISGGKPL EVEMAGIEYM NDDPGMVVDVL YAKVHMKDGS NRLQELVDRV LERFQASGLI VKEWNSVKLH ATVMNTLFRK  
DPNAEGRYNL YTAEGKYIFK ERESFDGRNI LKLFENFYFG SLKLNLSIHIS QRFTVDSFGN YASCGQIDFS

## General References

Almeida-Vega S., et al (2009). Am. J. Physiol. 296:G414-G423  
Orloff M., et al (2011). JAMA 306:410-419

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)