

# Product information



## ASCC1, 1-357 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2303

**Full name:** Activating signal cointegrator 1 complex subunit 1

**NCBI Accession No.:** NP\_001185727

**Synonyms:** ASC1p50, CGI-18, p50

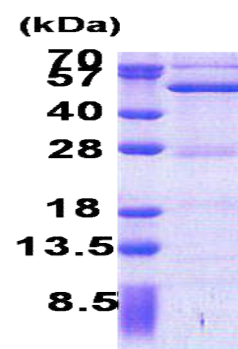
**Description:** ASCC1 is a subunit of the activating signal cointegrator 1 (ASC-1) complex. The ASC-1 complex is a transcriptional coactivator that plays an important role in gene transactivation by multiple transcription factors including activating protein 1 (AP-1), nuclear factor kappa-B (NF-kB) 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 using conventional chromatography techniques.

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

**Molecular Weight:** 43.6 kDa (380aa) confirmed by MALDI-TOF

**Purity:** > 90% by SDS - PAGE

**Concentration:** 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

### Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSMEVLRPQ LIRIDGRNYR KNPVQEQTQYQ HEDEEDFYQ GSMECADEPC DAYEVEQTPQ GFRSTLRAPS  
LLYKHIVGKR GDTRKKIEME TKTSSISIPKP GQDGEIVITG QHRNGVISAR TRIDVLLDTF RRPQPFTHFL AFFLNEVEVQ EGFLRFQEEV  
LAKCSMDHGV DSSIFQNPCK LHLTIGMLVL LSEEEIQQTC EMLQQCKEEF INDISGGKPL EVEMAGIEYM NDDPGMVDVL YAKVHMKDGS  
NRLQELVDRV LERFQASGLI VKEWNSVKLH ATVMNTLFRK DPNAEGRYNL YTAEGKYIFK ERESFDGRNI LKLFENFYFG SLKLNSIHIS  
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

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



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