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Recombinant human ASCC1 protein

Catalog Number: ATGP2303

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-357aa

UniProt No.

08N9N2

NCBI Accession No.

NP 001185727

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

43.6 kDa (380aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

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

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

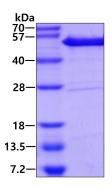
<MGSSHHHHHH SSGLVPRGSH MGS>MEVLRPQ LIRIDGRNYR KNPVQEQTYQ HEEDEEDFYQ GSMECADEPC DAYEVEQTPQ GFRSTLRAPS LLYKHIVGKR GDTRKKIEME TKTSISIPKP GQDGEIVITG QHRNGVISAR TRIDVLLDTF RRKQPFTHFL AFFLNEVEVQ EGFLRFQEEV LAKCSMDHGV DSSIFQNPKK LHLTIGMLVL LSEEEIQQTC EMLQQCKEEF INDISGGKPL EVEMAGIEYM NDDPGMVDVL YAKVHMKDGS NRLQELVDRV LERFQASGLI VKEWNSVKLH ATVMNTLFRK DPNAEGRYNL YTAEGKYIFK ERESFDGRNI LKLFENFYFG SLKLNSIHIS ORFTVDSFGN 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.

