
Product Data Sheet

Product Name: ASCC1 Human
 Cat. No.: GP22786
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Activating signal cointegrator 1 complex subunit 1; ASC1p50; CGI-18; p50; ASC-1 complex subunit p50; Trip4 complex subunit p50; ASCC1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEVLRPQ LIRIDGRNYR KNPVQEQTQ HEDEEDFYQ GSMECADEPC DAYEVEQTPQ GFRSTLRAPS LLYKHIVGKR GDTRKKIEME TKTSISIPKP GQDGEIVITG QHRNGVISAR TRIDVLLDTF RRKQPFTHFL AFFLNEVEVQ EGFLRFQEEV LAKCSMDHGV DSSIFQNPCK LHLTIGMLVL LSEEEIQQTC EMLQQCKEEF INDISGGKPL EVEMAGIEYM NDDPGMVDVL YAKVHMKDGS NRLQELVDRV LERFQASGLI VKEWNSVKLH ATVMNTLFRK DPNAEGRYNL YTAEGKYIFK ERESFDGRNI LKLFENFYFG SLKLNSIHIS QRFTVDSFGN YASCGQIDFS.		
Formulation	The ASCC1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

ASCC1 is a subunit of the triggering signal cointegrator 1 (ASC-1) complex which is a transcriptional coactivator. ASC-1 complex takes a vital part in gene transactivation using various transcription factors such as activating protein 1 (AP-1), nuclear factor kappa-B (NF- κ B) and serum response factor (SRF). ASCC1 has an N-terminal KH-type RNA-binding motif, essential for AP-1 transactivation by the ASC-1 complex. Alterations in ASCC1 result in Barrett esophagus and esophageal adenocarcinoma.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

ASCC1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 380 amino acids (1-357) and having a molecular mass of 43.6 kDa. ASCC1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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