

Datasheet for ABIN934952

RCAN1 Protein (AA 1-117, Isoform B)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	RCAN1
Protein Characteristics:	Isoform B, AA 1-117
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MKLYFAQTLH IGSSHLAPPN PDKQFLISPP ASPVVGWKQV EDATPVINYD LLYAISKLG GEKYELHAAT DTTSPVVVHV CESDQEKEEE EEMERMRRPK PKIIQTRRPE YTPIHLS
Characteristics:	Purified recombinant Human DSCR1 isoform b protein Expression System: E.coli Molecular weight on SDS-PAGE will appear higher.
Purity:	> 90 % pure

Target Details

Target:	RCAN1
Alternative Name:	DSCR1 (RCAN1 Products)
Background:	The Down's syndrome candidate region 1 (DSCR1) protein, encoded by a gene located in the human chromosome 21, interacts with calcineurin and is overexpressed in Down's syndrome

Target Details

patients. DSCR1 Inhibits calcineurin-dependent transcriptional responses by binding to the catalytic domain of calcineurin A, possibly affecting central nervous system development. DSCR isoform b is shorter at the N-terminus compared to isoform a. Recombinant human DSCR1 was expressed in *E. coli* and purified by using conventional chromatography techniques.

Alternative Names: DSCR1, Down syndrome candidate region 1, calcipressin 1 protein, DSCR 1, DSCR 1 protein, Down syndrome candidate region 1 protein, DSCR-1, Calcipressin 1 isoform b protein, adapt78 protein protein, Down syndrome critical region protein 1 protein, DSCR-1 protein

Molecular Weight: 13 kDa (117 AA)

Pathways: [Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: DSCR1 protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Supplied as a liquid in 20 mM Tris, pH 7.5, containing 0.1 M NaCl, and 0 mM DTT.

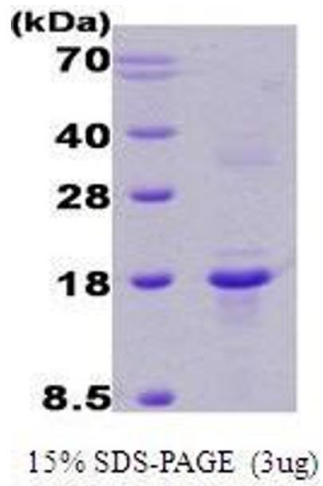
Preservative: Dithiothreitol (DTT)

Precaution of Use: This product contains Dithiothreitol: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: RT/-20 °C

Storage Comment: Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.



SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.