

AR09020PU-N

Recombinant human Calcipressin-1 (DSCR1) Isoform b (aa 1-117)

Alternate names:

ADAPT78, CSP1, DSC1, DSCR1, Down syndrome critical region protein 1, Myocyte-enriched calcineurin-interacting protein 1, RCAN1, Regulator of calcineurin 1

Quantity:

0.1 mg

Concentration:

1.0 mg/ml

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 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.

Uniprot ID:

[P53805](#)

NCBI:

[NP_004405.3](#)

GeneID:

[1827](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% >= 90% by SDS PAGE

Buffer System: 20 mM Tris 7.5, 0.1 M NaCl, 1 mM DTT

Description:

Recombinant human DSCR1 was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MKLYFAQTLH IGSSHLAPPN PDKQFLISPP ASPPVGWKQV EDATPVINYD LLYAISKLG
GEKYELHAAT DTPSVVVHV CESDQEKEEE EEMERMRRPK PKIIQTRRPE YTPIHLS

Molecular weight: 13 kDa 13 kDa (117 aa)

Add. Information:

NCBI Accession: NP_981962

Storage:

Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

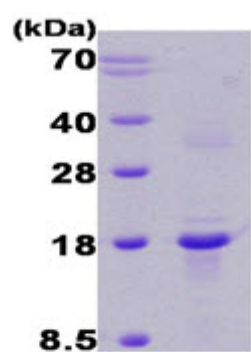
General Readings:

Genesca L., et al. (2003) J Biol Chem. Sep 1;374.

Hesser BA., et al. (2004) Blood Jul 1;104(1):149-58.

Harris CD., et al. (2007) FEBS J. Apr;274(7):1715-24.

Pictures:



15% SDS-PAGE (3ug)

Calcipressin - 1 (DSCR1) isoform b: 15 %
SDS - PAGE (3 μ g)

