

DSCR1 recombinant protein

DSCR1 isoform b, 1-117aa, Human, E Coli

CATALOG # AAA48471	HOST E Coli	APPLICATIONS SDS-Page
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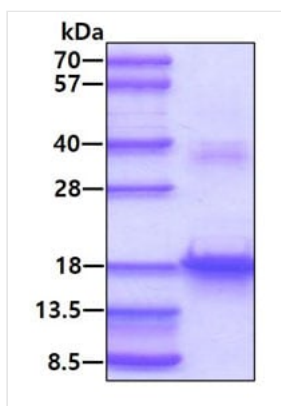
PRODUCT SYNONYMS

DSCR1; DSCR1 isoform b; 1-117aa; Human; E Coli; Down syndrome candidate region 1; Down syndrome critical region protein 1; adapt78 protein; calcipressin 1; Calcipressin 1 isoform b; DSCR1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid in 20mM Tris-HCl buffer pH7.5, containing 0.1M NaCl, 1mM DTT, 10% Glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MKLYFAQTLH IGSSHLAPPN PDKQFLISPP ASPPVGWKQV EDATPVINYD LLYAISKLGK GEKYLHAAT DTPSVVVHV CESDQEKEEE EEMERMRRPK PKIIQTRRPE YTPIHLS
Sequence Length	1-117aa
Applicable Applications for DSCR1 recombinant protein	SDS-PAGE
Tag	Non-Tagged
Domain	1-117aa
Preparation and Storage	Can be stored at 2-8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing nad thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-Page under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for DSCR1 recombinant protein	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. Recombinant human DSCR1 was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for DSCR1 recombinant protein	Neuroscience
References	Hesser BA., et al. (2004) Blood. 104 (1):149-58; Harris CD., et al. (2007) FEBS J. 274 (7):1715-24.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	44680108
NCBI GeneID	1827
NCBI Accession #	NP_981962
NCBI GenBank Nucleotide #	NM_203417.2
UniProt Accession #	P53805; O00582; O00583; Q53XT0; Q6IBC6; Q7Z555; Q96R03; Q9BU69; Q9UF15; Q9UME4; D3DSF9
Molecular Weight	13.2 kDa (117aa), confirmed by MALDI-TOF.
NCBI Official Full Name	calcipressin-1 isoform b
NCBI Official Synonym Full Names	regulator of calcineurin 1
NCBI Official Symbol	RCAN1
NCBI Official Synonym Symbols	CSP1; DSC1; RCN1; DSCR1; MCIP1; ADAPT78
NCBI Protein Information	calcipressin-1
UniProt Protein Name	Calcipressin-1
UniProt Gene Name	RCAN1
UniProt Synonym Gene Names	ADAPT78; CSP1; DSC1; DSCR1; MCIP1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.