

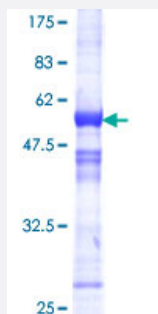
Full-Length

DSCR1 (Human) Recombinant Protein (P01)

Catalog # H00001827-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DSCR1 full-length ORF (AAH02864, 1 a.a. - 197 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MEEVDLRDLPSATIACHLDPRVFVDGLCRAKFESLFRTYDKDITFQYFKSFKRVRINFSNPFSAAD ARLQLHKTEFLGKEMKLYFAQTLHIGSSHLAPPNPDQFLISPPASPPVGWKQVEDATPVINYDLL YAISKLGPGKEYELHAATDTTPSVVVHVCESDQEKEEEEEMERMRRPKPKIIQTRRPEYTIHLS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	47.41
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RCAN1

Entrez GeneID [1827](#)

GeneBank Accession# [BC002864](#)

Protein Accession# [AAH02864](#)

Gene Name RCAN1

Gene Alias ADAPT78, CSP1, DSC1, DSCR1, MCIP1, RCN1

Gene Description regulator of calcineurin 1

Omim ID [602917](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene interacts with calcineurin A and inhibits calcineurin-dependent signaling pathways, possibly affecting central nervous system development. This gene is located in the minimal candidate region for the Down syndrome phenotype, and is overexpressed in the brain of Down syndrome fetuses. Chronic overexpression of this gene may lead to neurofibrillary tangles such as those associated with Alzheimer disease. Three transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq]

Other Designations Down syndrome candidate region 1|Down syndrome critical region gene 1|calcipressin 1|calcium and oxidant-inducible mRNA|modulatory calcineurin-interacting protein 1|myocyte-enriched calcineurin-interacting protein 1|near DSCR proline-rich protein

Disease

- [Cognition](#)

- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)