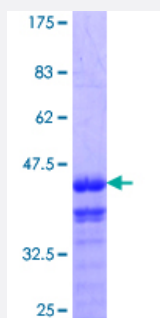


DSC2 (Human) Recombinant Protein (Q02)

Catalog # H00001824-Q02

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DSC2 partial ORF (NP_077740.1, 444 a.a. - 534 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SREASPRSAMSTATVTNVNVEDQDEGPECNPPIQTVRMKENAEVGTTSNGYKAYDPETRSSSGIR YKKLTDPTGWVTIDENTGSIKVFRSLD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.75
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 — DSC2

Entrez GeneID [1824](#)

GeneBank Accession# [NM_024422](#)

Protein Accession# [NP_077740.1](#)

Gene Name DSC2

Gene Alias ARVD11, CDHF2, DG2, DGI/III, DKFZp686I11137, DSC3

Gene Description desmocollin 2

Omim ID [125645 610476](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a calcium-dependent glycoprotein that is a member of the desmocollin subfamily of the cadherin superfamily. These desmosomal family members, along with the desmogleins, are found primarily in epithelial cells where they constitute the adhesive proteins of the desmosome cell-cell junction and are required for cell adhesion and desmosome formation. The desmosomal family members are arranged in two clusters on chromosome 18, occupying less than 650 kb combined. Mutations in this gene are associated with arrhythmogenic right ventricular dysplasia-11. Alternative splicing results in two transcript variants encoding distinct isoforms. [provided by RefSeq]

Other Designations desmosomal glycoprotein II/III

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)

Disease

- [Arrhythmias](#)
- [Arrhythmogenic Right Ventricular Dysplasia](#)
- [Cardiomyopathy](#)
- [Genetic Predisposition to Disease](#)