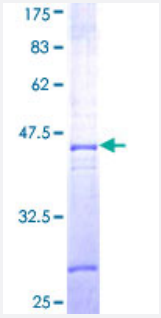
DSC2 (Human) Recombinant Protein (Q01)

Catalog # H00001824-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DSC2 partial ORF (NP_077740, 589 a.a. - 687 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSSAEIVAVDPDEPIHGPPFDFSLESSTSEVQRMWRLKAINDTAARLSYQNDPPFGSYVVPITVR DRLGMSSVTSLDVTLCDCITENDCTHRVDPRIGG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
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
Gene Name	DSC2
Gene Alias	ARVD11, CDHF2, DG2, DGII/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 de smocollin subfamily of the cadherin superfamily. These desmosomal family members, along with t he 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 les s than 650 kb combined. Mutations in this gene are associated with arrhythmogenic right ventricul ar dysplasia-11. Alternative splicing results in two transcript variants encoding distinct isoforms. [p rovided 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