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## Datasheet for ABIN7317758 Desmocollin 2 Protein (DSC2) (His tag)



Overview	
Quantity:	100 µg
Target:	Desmocollin 2 (DSC2)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Desmocollin 2 protein is labelled with His tag.
Product Details	
Purpose:	Recombinant Human DSC2/Desmocollin-2 Protein (His Tag)
Sequence:	Met 1-Arg 684
Characteristics:	A DNA sequence encoding the extracellular domain (Met 1-Arg 684) of human DSC2 (Q02487- 1) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 75 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Target Details	

Target:	Desmocollin 2 (DSC2)
Alternative Name:	DSC2/Desmocollin-2 (DSC2 Products)
Background:	Background: DSC2 is a calcium-dependent glycoprotein that is a member of the desmocollin
	subfamily of the cadherin superfamily. Like other desmocollins, murine DSC2 has two products,
	Dsc2a and Dsc2b, produced by alternative splicing of a 46 bp exon which encodes 11 COOH-

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	terminal aa followed by an in-frame stop codon. 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 DSC2 are associated with
	arrhythmogenic right ventricular dysplasia-11. DSC2 is Involved in the interaction of plaque
	proteins and intermediate filaments mediating cell-cell adhesion. DSC2 may contribute to
	epidermal cell positioning by mediating differential adhesiveness between cells that express
	different isoforms.
	Synonym: ARVD11,CDHF2,DG2,DGII/III,DSC3
Molecular Weight:	75 kDa
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.