

## Product Information

### MemDX™ Membrane Protein Human DSC3 (Desmocollin 3) Full Length

Cat. No.: **MPC1477K**

This product is for research use only and is not intended for diagnostic use.

This product is a 99.9 kDa Human DSC3 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

#### Product Specifications

##### Host Species

Human

##### Target Protein

DSC3

##### Protein Length

Full length

##### Protein Class

Cell adhesion

##### Molecular Weight

99.9 kDa

##### TMD

1

##### Sequence

MAAAGPRRSVARGAVCLHLLLTLVIFSRAGEACKKVLNVPSKLEADKIIG  
RVNLEECFRSADLIRSSDPDFRVLNDGSVYTARAVALSDKKRSFTIWLSD  
KRKQTQKEVTVLLEHQKKVSKTRHTRETVLRRAKRRWAPIPCSMQENSLG  
PFPLFLQQVESDAAQNYTVFYISGRGVDKEPLNLFYIERDTGNLFCRTP  
VDREEYDVFDLIAYASTADGYSADLPLPLPIRVEDENDNHPVFTEAIYNF  
EVLESSRPGTTVGVCATDRDEPDTMHTRLKYSILQQTPRSPGLFSVHPS  
TGVIITVSHYLDREVVDKYSIMKVQDMDGQFFGLIGTSTCIITVTDSDND  
NAPTRFNAYEAFVEENAFNVEILRIPIEDKDLINTANWRVNFILKNGNE  
NGHFKISTDKETNEGVLVVKPLNYEENRQVNLEIGVNNEAPFARDIPRV  
TALNRALVTVHVRDLDEGPECTPAAQYVRIKENLAVGSKINGYKAYDPEN  
RNGNGLRYKKLHDPKGWITIDEISGSIITSKILDREVETPKNELYNITVL  
AIDKDDRSGTGLAVNIEDVNDNPPEILQEYVICKPKMGYTDILAVDPD  
EPVHGAPFYFSLPNTSPEISRLWSLTKVNDTAARLSYQKNAGFQEYTIPI  
TVKDRAGQAATKLLRVNLCECTHPTQCRATSRSTGVILGKWAILLGI  
ALLFSVLLTLVCGVFGATKGRFPEDLAQQNLIISNTEAPGDDRVCANG  
FMTQTNNSSQGFQCGTMGSGMKNNGGQETIEMMKGGNQTLESCRGAGHHHT  
LDSCRGGHTEVDNCRYTYSEWHSFTQPRLGKELHRCNQNEDRMPSQDYVL  
TYNYEGRGSPAGSVGCCSEKQEEDGLDFLNNLEPKFITLAEACTKR

## Product Description

### Expression Systems

HEK293

### Tag

Based on specific requirements

### Protein Format

Detergent or based on specific requirements

### Form

Liquid

### Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

## Target

### Target Protein

DSC3

### Full Name

Desmocollin 3

### Introduction

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 a cause of hypotrichosis and recurrent skin vesicles disorder. The protein can act as an autoantigen in pemphigus diseases, and it is also considered to be a biomarker for some cancers. Alternative splicing of this gene results in multiple transcript variants.

### Alternative Names

DSC3; DSC; DSC1; DSC2; DSC4; CDHF3; HT-CP; desmocollin-3; cadherin family member 3; desmocollin-4; Desmocollin 3

### Gene ID

[1825](#)

### UniProt ID

[Q14574](#)