

# Human DSC2 (His Tag) recombinant protein



Catalog Number: 500719

## General Information

### Gene Name Synonym

Cadherin family member 2; Desmocollin-3; Desmosomal glycoprotein II; Desmosomal glycoprotein III

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Arg 684) of human DSC2 (Q02487-1) was expressed, with a C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 75 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Ala 28 & Arg 136

### Molecular Mass

The secreted recombinant human DSC2 (pro form)

consists of 668 amino acids and predicts a molecular mass of 75 kDa. As a result of glycosylation, the apparent molecular mass of rhDSC2 is approximately 85 and 100 kDa in SDS-PAGE under reducing conditions, corresponding to the mature and pro form respectively.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage

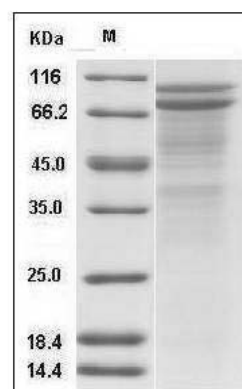
Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ .

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human DSC2 / Desmocollin-2 Protein (His Tag)  
SDS-PAGE