antibodies

Datasheet for ABIN7274502 Desmoglein 2 Protein (DSG2) (AA 55-618) (His tag)

2 Images



Overview

Quantity:	100 µg
Target:	Desmoglein 2 (DSG2)
Protein Characteristics:	AA 55-618
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Desmoglein 2 protein is labelled with His tag.

Product Details

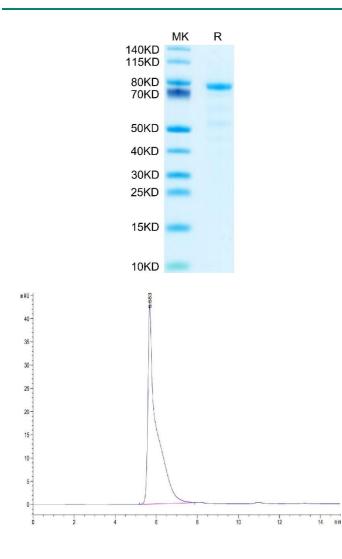
Purpose:	Mouse DSG-2/Desmoglein-2 Protein
Sequence:	Ala55-Ala618
Characteristics:	Recombinant Mouse DSG-2/Desmoglein-2 Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Ala55-Ala618.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per μg by the LAL method.

Target Details

Target:	Desmoglein 2 (DSG2)
Alternative Name:	DSG-2 (DSG2 Products)

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Target Details	
Background:	Desmoglein-2 (DSG-2) as the primary high-affinity receptor used by adenoviruses Ad3, Ad7, Ad11 and Ad14. These serotypes represent key human pathogens causing respiratory and urinary tract infections. In epithelial cells, adenovirus binding of DSG-2 triggers events reminiscent of epithelial-to-mesenchymal transition, leading to transient opening of intercellular junctions.
Molecular Weight:	63.7 kDa. Due to glycosylation, the protein migrates to 75-80 kDa based on Tris-Bis PAGE result.
UniProt:	055111
Pathways:	Cell-Cell Junction Organization
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Mouse DSG-2/Desmoglein-2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse DSG-2/Desmoglein-2 is greater than 95 % as determined by SEC-HPLC.

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