

Datasheet for ABIN7274501

Desmoglein 3 Protein (DSG3) (AA 50-615) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Desmoglein 3 (DSG3)
Protein Characteristics:	AA 50-615
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Desmoglein 3 protein is labelled with His tag.

Product Details

Purpose:	Human DSG3 Protein
Sequence:	Glu50-Arg615
Characteristics:	Recombinant Human DSG3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu50-Arg615.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human DSG3, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-DSG3 Antibody, hFc Tag with the EC50 8.5ng/ml determined by ELISA. See testing image for detail.

Target Details

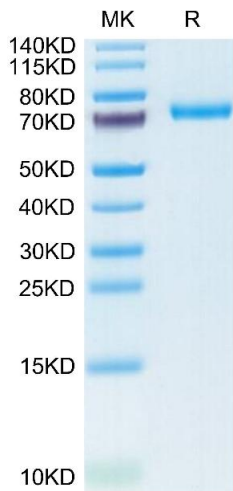
Target:	Desmoglein 3 (DSG3)
Alternative Name:	DSG3 (DSG3 Products)
Background:	To identify genes that could potentially serve as molecular therapeutic markers for human head and neck cancer (HNC), DSG3 is identified overexpressed in HNC, with the degree of overexpression associated with clinicopathologic features of the tumor. Inhibition of DSG3 significantly suppresses carcinogenic potential in cellular and in vivo animal studies. DSG3 is a potential molecular target in the development of adjuvant therapy for HNC.
Molecular Weight:	64 kDa. Due to glycosylation, the protein migrates to 70-75 kDa based on Tris-Bis PAGE result.
UniProt:	P32926

Application Details

Restrictions:	For Research Use only
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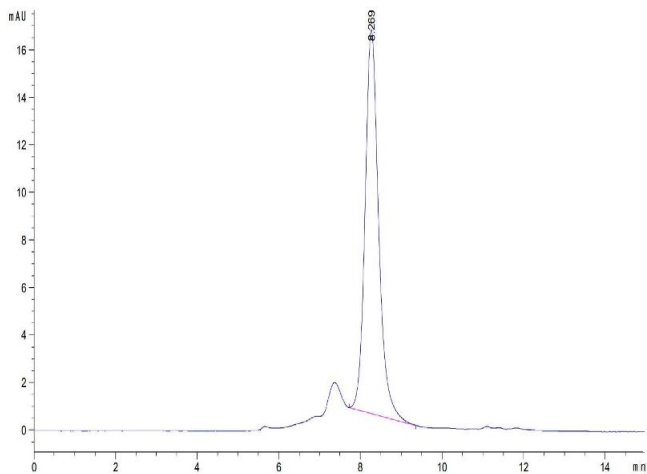
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/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

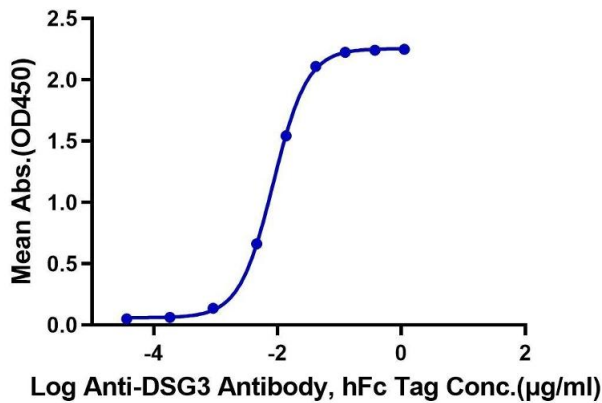
Image 1. Human DSG3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human DSG3 is greater than 95 % as determined by SEC-HPLC.

Human DSG3, His Tag ELISA
0.05µg Human DSG3, His Tag Per Well



ELISA

Image 3. Immobilized Human DSG3, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-DSG3 Antibody, hFc Tag with the EC50 8.5 ng/mL determined by ELISA.