

Datasheet for ABIN7274503

Desmoglein 3 Protein (DSG3) (AA 50-617) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	Desmoglein 3 (DSG3)
Protein Characteristics:	AA 50-617
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Desmoglein 3 protein is labelled with His tag.

Product Details

Purpose:	Mouse DSG3 Protein
Sequence:	Glu50-Pro617
Characteristics:	Recombinant Mouse DSG3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu50-Pro617.
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.

Target Details

Target:	Desmoglein 3 (DSG3)
Alternative Name:	DSG3 (DSG3 Products)

Target Details

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: 64.3 kDa. Due to glycosylation, the protein migrates to 70-75 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

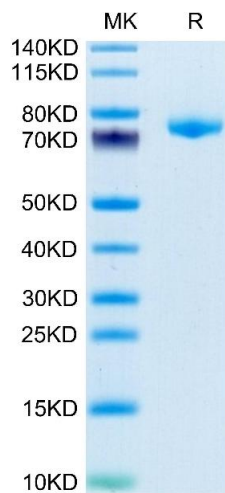
Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

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

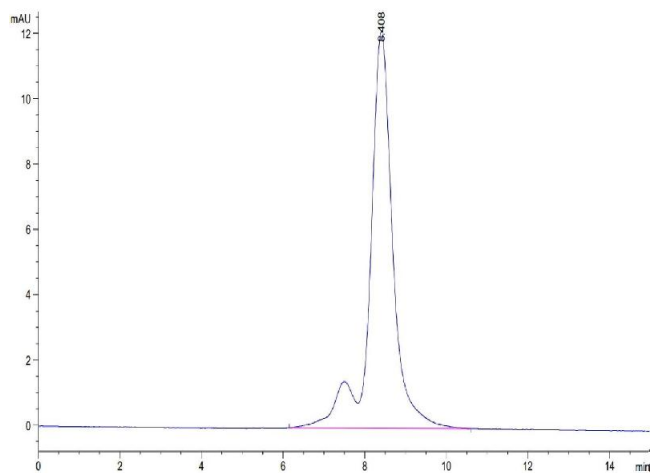
Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



SDS-PAGE

Image 1. Mouse 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 Mouse DSG3 is greater than 95 % as determined by SEC-HPLC.