Datasheet for ABIN7491501

Desmoglein 2 Protein (DSG2) (AA 24-609) (His tag)

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Overview

Quantity:	100 µg
Target:	Desmoglein 2 (DSG2)
Protein Characteristics:	AA 24-609
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Desmoglein 2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human DSG2(24-609) Protein with C-terminal 6xHis tag
Specificity:	DSG2 (Leu24-Gly609) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Desmoglein 2 (DSG2)
Alternative Name:	DSG2 (DSG2 Products)
Background:	This gene encodes a member of the desmoglein family and cadherin cell adhesion molecule

Target Details

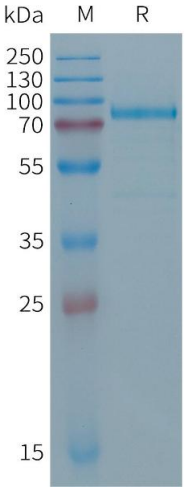
	superfamily of proteins. Desmogleins are calcium-binding transmembrane glycoprotein components of desmosomes, cell-cell junctions between epithelial, myocardial, and other cell types. The encoded preproprotein is proteolytically processed to generate the mature glycoprotein. This gene is present in a gene cluster with other desmoglein gene family members on chromosome 18. Mutations in this gene have been associated with arrhythmogenic right ventricular dysplasia, familial, 10. [provided by RefSeq, Jan 2016]
Molecular Weight:	predicted molecular mass of 66.4 kDa after removal of the signal peptide. The apparent molecular mass of DSG2(24-609)-His is 70-100 kDa due to glycosylation.
UniProt:	Q14126
Pathways:	Cell-Cell Junction Organization

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human (24-609) Protein, His Tag on SDS-PAGE under reducing condition.

