

## DSG-2/Desmoglein-2 Protein, Human (HEK293, His)

Cat. No.:	HY-P77917
Synonyms:	Desmoglein-2; HDGC; DSG2; CDHF5; ARVC10; CMD1BB; MGC117036; MGC117037
Species:	Human
Source:	HEK293
Accession:	Q14126 (A50-G609)
Gene ID:	1829
Molecular Weight:	75-80 kDa

### PROPERTIES

Biological Activity	Immobilized Human DSG-2 at 0.5 µg/mL (100µL/Well) on the plate. Dose response curve for Anti-DSG-2 Antibody with the EC <sub>50</sub> <19.5 ng/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	Desmoglein-2 (DSG-2) is an essential component of intercellular desmosome junctions, playing a critical role in mediating cell-cell adhesion. Within these junctions, DSG-2 is involved in facilitating the interaction between plaque proteins and intermediate filaments, contributing to the structural integrity and stability of tissues. Notably, DSG-2 forms an interaction with Plakophilin-2 (PKP2), highlighting its involvement in the intricate molecular network responsible for desmosomal assembly and maintenance. This interaction underscores the significance of DSG-2 in ensuring proper cell adhesion and tissue cohesion, emphasizing its role as a key player in the regulation of intercellular connections in various tissues. (
------------	---

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA