

DSG-2/Desmoglein-2 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P77918
Synonyms:	Desmoglein-2; HDGC; DSG2; CDHF5; ARVC10; CMD1BB; MGC117036; MGC117037
Species:	Mouse
Source:	HEK293
Accession:	O55111 (A55-A618)
Gene ID:	13511
Molecular Weight:	75-80 kDa

PROPERTIES

Appearance	Lyophilized powder
Formulation	Lyophilized from 0.22 µm filtered solution in 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 ₂ 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	<p>DSG-2, a key constituent of intercellular desmosome junctions, plays a pivotal role in mediating cell-cell adhesion by participating in the interaction between plaque proteins and intermediate filaments. This integral involvement in desmosomal structures underscores its significance in maintaining tissue integrity and cohesion. Notably, DSG-2 forms essential connections within the desmosome complex, contributing to the robustness of intercellular adhesion. Furthermore, its interaction with PKP2 further emphasizes the intricate molecular network that orchestrates the stability and functionality of desmosomes in cellular junctions.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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