

DSC2/Desmocollin-2 Protein, Rat (HEK293, Fc)

Cat. No.:	HY-P76302
Synonyms:	Cadherin family member 2; CDHF2; DSC3; Desmosomal glycoprotein II
Species:	Rat
Source:	HEK293
Accession:	Q3T1K6 (C29-P694)
Gene ID:	291760
Molecular Weight:	Approximately 101.6 kDa.

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants 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	Desmocollin-2 (DSC2) is a crucial component of intercellular desmosome junctions, playing a pivotal role in cell-cell adhesion. As part of desmosomes, DSC2 contributes to the intricate network that mediates cell-cell interactions. These junctions are essential for the maintenance of tissue integrity and provide structural support through the interaction of plaque proteins and intermediate filaments. DSC2's involvement in this molecular complex underscores its significance in ensuring the cohesion and stability of tissues, particularly those subjected to mechanical stress. The protein's function in promoting cell-cell adhesion highlights its importance in the maintenance of tissue architecture and overall cellular integrity. (
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Caution: Product has not been fully validated for medical applications. For research use only.

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