

## DSG3 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P78291
Synonyms:	Desmoglein-3; PVA; CDHF6; SG3; DSG3
Species:	Mouse
Source:	HEK293
Accession:	O35902-1 (E50-P617)
Gene ID:	13512
Molecular Weight:	68-78 kDa

### PROPERTIES

#### AA Sequence

E W V K F A K P C R	E R E D N S R R N P	I A K I T S D F Q K	N Q K I T Y R I S G
V G I D Q P P F G I	F V V D P N N G D I	N I T A I V D R E E	T P S F L I T C R A
L N A L G Q D V E R	P L I L T V K I L D	V N D N P P I F S Q	T I F K G E I E E N
S A S N S L V M I L	N A T D A D E P N H	M N S K I A F K I V	S Q E P A G M S M F
L I S R N T G E V R	T L T S S L D R E Q	I S S Y H L V V S G	A D N D G T G L S T
Q C E C S I K I K D	V N D N F P V L R E	S Q Y S A R I E E N	T L N A E L L R F Q
V T D W D E E Y T D	N W L A V Y F F T S	G N E G N W F E I E	T D P R T N E G I L
K V V K A L D Y E Q	V Q S M Q F S I A V	R N K A E F H Q S V	I S Q Y R V Q S T P
V T I Q V I D V R E	G I S F R P P S K T	F T V Q R G V S T N	K L V G Y I L G T Y
Q A T D E D T G K A	A S S V R Y V L G R	N D G G L L V I D S	K T A Q I K F V K N
I D R D S T F I V N	K T I S A E V L A I	D E N T G K T S T G	T I Y V E V P S F N
E N C P S V V L E K	K D I C T S S P S V	T L S V R T L D R G	K Y T G P Y T V S L
E E Q P L K L P V M	W T I T T L N A T S	A L L Q A Q Q Q V S	P G V Y N V P V I V
K D N Q D G L C D T	P E S L T L T V C Q	C D D R S M C R A P	I P S R E P N T Y G
E S S W R L G P			

**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.

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## DESCRIPTION

### Background

DSG3 protein is a vital component of intercellular desmosome junctions, playing a crucial role in facilitating cell-cell adhesion by mediating the interaction between plaque proteins and intermediate filaments. Notably, DSG3 interacts with PKP2, further contributing to the stability and integrity of these junctions. This protein is essential for maintaining the structural integrity of tissues by promoting strong cell adhesion and proper tissue architecture.

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**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](mailto:tech@MedChemExpress.com)

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