

DSG3 Protein, Human (Baculovirus, His)

Cat. No.:	HY-P700469
Synonyms:	PVA; CDHF6; desmoglein 3; desmoglein-3; cadherin family member 6; pemphigus vulgaris antigen; 130-kD pemphigus vulgaris antigen; 130 kDa pemphigus vulgaris antigen
Species:	Human
Source:	Sf9 insect cells
Accession:	P32926 (E50-R615)
Gene ID:	1830
Molecular Weight:	67 kDa

PROPERTIES

AA Sequence	<pre> EWVKFAKPCR EGEDNSKRNP IAKITSDYQA TQKITYRISG VGIDQPPFGI FVVDKNTGDI NITAIVDREE TPSFLITCRA LNAQGLDVEK PLILTVKILD INDNPPVFSQ QIFMGEIEEN SASNLSVMIL NATDADEPNH LNSKIAFKIV SQEPAGTPMF LLSRNTGEVR TLTNSLDREQ ASSYRLVVS ADKDGEGGLST QCECNIKVKD VNDNFPMFRD SQYSARIEEN ILSSELLRFQ VTDLDEEYTD NWLAVYFFTS GNEGNWFEIQ TDPRTNEGIL KVVKALDYEQ LQSVKLSIAV KNKAEFHQSV ISRYRVQSTP VTIQVINVRE GIAFRPASKT FTVQKGISSK KLVDYILGTY QAIDEDTNKA ASNVKYVMGR NDGGYLMIDS KTAEIKFVKN MNRDSTFIVN KTI TAEVLA I DEYTGKTSTG TVYVRVPDFN DNCPTAVLEK DAVCSSSPSV VVSARTLNNR YTGPYTFALE DQPVKLPAVW SITTLNATSA LLRAQEQIPP GVYHISLVLT DSQNNRCEMP RSLTLEVCQC DNRGICGTSY PTTSPGTRYG RPHSGR </pre>
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human DSG3 at 2 µg/mL can bind Anti-DSG3 recombinant antibody, the EC ₅₀ is <5.720 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0
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

Desmoglein-3 (DSG3) is an integral component of intercellular desmosome junctions, playing a crucial role in mediating cell-cell adhesion. Functioning within these junctions, DSG3 is involved in the interaction between plaque proteins and intermediate filaments, contributing to the structural integrity and stability of tissues. Notably, DSG3 interacts with Plakophilin-2 (PKP2), emphasizing its role in coordinating the assembly and maintenance of desmosomal complexes. This interaction further highlights the intricate molecular network involved in cell-cell adhesion and reinforces the importance of DSG3 in ensuring the proper function and structural cohesion of tissues through its engagement in desmosomal signaling pathways. (

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

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