

## Active Recombinant Human DSG3, Fc-tagged

**Cat. No.** DSG3-38H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human DSG3 was expressed in Mouse NSO Cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	Desmosomes are cell-cell junctions between epithelial, myocardial, and certain other cell types. Desmoglein 3 is a calcium-binding transmembrane glycoprotein component of desmosomes in vertebrate epithelial cells. Currently, three desmoglein subfamily members have been identified and all are members of the cadherin cell adhesion molecule superfamily. These desmoglein gene family members are located in a cluster on chromosome 18. This protein has been identified as the autoantigen of the autoimmune skin blistering disease pemphigus vulgaris.?
<b>Predicted N Terminal</b>	Glu50
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in MES and NaCl.
<b>Bio-activity</b>	Measured by the ability of the immobilized protein to support the adhesion of Caki?2 human clear cell carcinoma epithelial cells. When 3 x 10 <sup>4</sup> cells/well are added to rhDesmoglein-3 coated plates (10 µg/mL, 100 µL/well), approximately 45 - 65% will adhere after 90 minutes at 37° C.
<b>Molecular Mass</b>	Predicted Molecular Mass: 89.5 kDa (monomer) SDS-PAGE: 105-110 kDa, reducing conditions

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<b>Endotoxin</b>	< 1.0 eu per 1 µg of the protein by the lal
<b>Purity</b>	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70 °C as supplied.1 month, 2 to 8 °C under sterile conditions after reconstitution.3 months, -20 to -70 °C under sterile conditions after reconstitution.
<b>Reconstitution</b>	Reconstitute at 100 µg/mL in sterile PBS.

## GENE INFORMATION

<b>Gene Name</b>	DSG3?desmoglein 3 [?Homo sapiens?(human) ]
<b>Official Symbol</b>	DSG3
<b>Synonyms</b>	DSG3; PVA; CDHF6; desmoglein 3; desmoglein-3; cadherin family member 6; pemphigus vulgaris antigen; 130-kD pemphigus vulgaris antigen; 130 kDa pemphigus vulgaris antigen
<b>Gene ID</b>	1830
<b>mRNA Refseq</b>	NM_001944
<b>Protein Refseq</b>	NP_001935
<b>MIM</b>	169615
<b>UniProt ID</b>	P32926
<b>Chromosome</b>	18q12.1

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**Location**

**Pathway**

Apoptosis; Apoptotic cleavage of cell adhesion proteins; Apoptotic execution phase

**Function**

calcium ion binding

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