

Bioactive

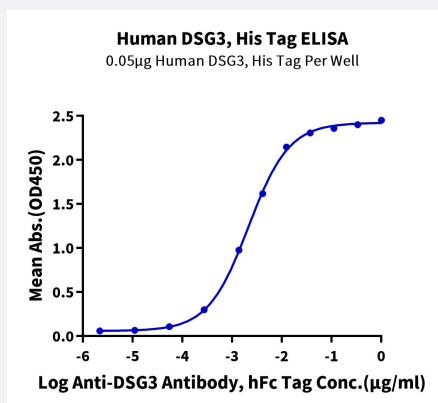
HuPro®

# DSG3 (Human) Recombinant Protein

Catalog # P9836

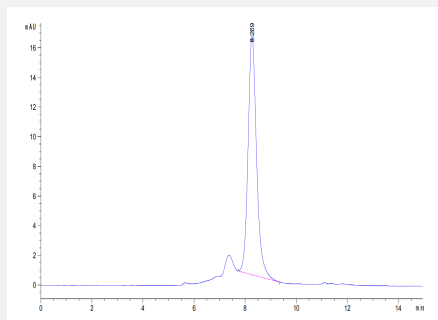
Size 100 ug

## Applications



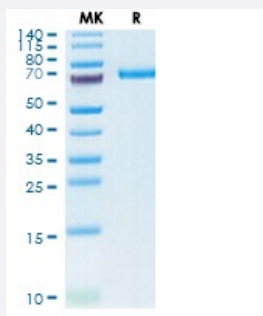
### Enzyme-linked Immunoabsorbent Assay

Immobilized Human DSG3, His Tag at 0.5 ug/mL (100 uL/Well) on the plate. Dose response curve for Anti-DSG3 Antibody, hFc Tag with the EC50 2.1 ng/mL determined by ELISA.



### SEC-HPLC

The purity of Human DSG3 is greater than 95% as determined by SEC-HPLC.



### Tris-Bis PAGE

Human DSG3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

## Specification

Product Description	Human DSG3 (P32926, Glu50-Arg615) partial recombinant protein with His tag at C-Terminus expressed in HEK293 cells.
Sequence	Glu50-Arg615
Host	Human
Theoretical MW (kDa)	64
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC <sub>50</sub> was 2.1 ng/mL, measured by ELISA at 0.5 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human DSG3 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human DSG3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

## Applications

- Enzyme-linked Immunoabsorbent Assay

Immobilized Human DSG3, His Tag at 0.5 ug/mL (100 uL/Well) on the plate. Dose response curve for Anti-DSG3 Antibody, hFc Tag with the EC<sub>50</sub> 2.1 ng/mL determined by ELISA.

- Functional Study

- SDS-PAGE

## Gene Info — DSG3

Entrez GeneID	<a href="#">1830</a>
Protein Accession#	<a href="#">P32926</a>
Gene Name	DSG3
Gene Alias	CDHF6, DKFZp686P23184, PVA
Gene Description	desmoglein 3 (pemphigus vulgaris antigen)
Omim ID	<a href="#">169615</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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. [provided by RefSeq]</p>
Other Designations	130-kD pemphigus vulgaris antigen desmoglein 3 pemphigus vulgaris antigen

## Disease

- [Genetic Predisposition to Disease](#)
- [Pemphigus](#)