

Recombinant Human DSG3 Protein, His-tagged

Cat. No. DSG3-1389H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DSG3 Protein (Ala334-Pro604) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala334-Pro604
Description	This gene encodes a member of the desmoglein family and cadherin cell adhesion molecule superfamily of proteins. Desmogleins are calcium-binding transmembrane glycoprotein components of desmosomes, cell-cell junctions between epithelial, myocardial, and other cell types. The encoded preproprotein is proteolytically processed to generate the mature glycoprotein. This gene is present in a gene cluster with other desmoglein gene family members on chromosome 18. The encoded protein has been identified as the autoantigen of the autoimmune blistering disease pemphigus vulgaris.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.4 kDa Accurate Molecular Mass: 34 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	DSG3 desmoglein 3 [Homo sapiens (human)]
Official Symbol	DSG3
Synonyms	DSG3; desmoglein 3; desmoglein 3 (pemphigus vulgaris antigen); desmoglein-3; CDHF6; pemphigus vulgaris antigen; cadherin family member 6; 130-kD pemphigus vulgaris antigen; 130 kDa pemphigus vulgaris antigen; PVA; DKFZp686P23184;
Gene ID	1830
mRNA Refseq	NM_001944
Protein Refseq	NP_001935

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MIM	169615
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UniProt ID	P32926
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