

Recombinant Human DSG1 Protein, His-tagged

Cat. No. DSG1-1388H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DSG1 Protein (Glu710-Val961) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu710-Val961
Description	This gene encodes a member of the desmoglein protein subfamily. Desmogleins, along with desmocollins, are cadherin-like transmembrane glycoproteins that are major components of the desmosome. Desmosomes are cell-cell junctions that help resist shearing forces and are found in high concentrations in cells subject to mechanical stress. This gene is found in a cluster with other desmoglein family members on chromosome 18. The encoded protein has been identified as a target of auto-antibodies in the autoimmune skin blistering disease pemphigus foliaceus. Disruption of this gene has also been associated with the skin diseases palmoplantar keratoderma and erythroderma.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: \ Accurate Molecular Mass: \
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	DSG1 desmoglein 1 [Homo sapiens (human)]
Official Symbol	DSG1
Synonyms	DSG1; desmoglein 1; DSG; desmoglein-1; CDHF4; DGI; cadherin family member 4; desmosomal glycoprotein 1; pemphigus foliaceus antigen; DG1; PPKS1; SPPK1;
Gene ID	1828
mRNA Refseq	NM_001942
Protein Refseq	NP_001933

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MIM	125670
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UniProt ID	Q02413
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