

# Recombinant Human DSG1 Protein

## Summary

---

<b>Catalog No.</b>	AID00201
<b>Alternative Names</b>	DGI, Cadherin family member 4, Desmoglein-1, DG1, Pemphigus foliaceus antigen, CDHF4, DSG1, Desmosomal glycoprotein 1
<b>Form</b>	Lyophilized
<b>Storage buffer</b>	Lyophilized from a solution in PBS pH 7.4, 1mM EDTA, 4% Trehalose, 1% Mannitol.
<b>Purity</b>	>90% as determined by SDS-PAGE.
<b>Applications</b>	As a diagnostic tool for Pemphigus Foliaceus (PF).
<b>Endotoxin level</b>	Please contact with the lab for this information.
<b>Expression system</b>	Confidential
<b>Accession</b>	Q02413
<b>Protein length</b>	Confidential
<b>Nature</b>	Recombinant
<b>Stability and Storage</b>	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8°C for frequent use. Store at -20 to -80°C for twelve months from the date of receipt.
<b>Reconstitution</b>	Reconstitute in sterile water for a stock solution.
<b>Species</b>	Homo sapiens (Human)
<b>Shipping</b>	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

**Note**

For research use only.

## Description

---

Desmoglein 1 (DSG1), the Pemphigus Foliaceus (PF) antigen, is produced as a precursor (preDSG1) and is transported to the cell surface as the mature form (matDSG1). Pemphigus foliaceus (PF) is an organ-specific autoimmune cutaneous disease characterized clinically by the development of superficial blisters and erosions of skin, histologically by loss of cell adhesion of keratinocytes in the upper part of epidermis, and immunologically by in vivo bound and circulating IgG autoantibodies directed against desmoglein 1 (Dsg1), a transmembrane desmosomal glycoprotein to the cadherin family.

## Data Image

---



SDS PAGE for recombinant Human DSG1