

# Recombinant Full Length Human DSG1 Protein

**Cat. No.** DSG1-144HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human Desmoglein 1 with N terminal proprietary tag; Predicted MWt 142.39 kDa inclusive of tag.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	1049 amino acids
<b>Description</b>	Desmosomes are cell-cell junctions between epithelial, myocardial and certain other cell types. Desmoglein 1 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. The protein encoded by this gene has been identified as the autoantigen of the autoimmune skin blistering disease pemphigus foliaceus.
<b>Form</b>	Liquid
<b>Molecular Mass</b>	142.390kDa inclusive of tags
<b>AA Sequence</b>	MDWSFFRVVAMLFIFLVVVEVNSEFRIQVRDYNTKNGTIK WHSIRRQKREWIKFAAA CREGEDNSKRNPiAKIHSDCAAN QQVTYRISGVGIDQPPYGIFVINQKTGEINITSIVD REVT PFFIIYCRALNSMGQDLERPLELRVRLDINDNPPVFSMA TFAGQIEENSAN TLVMILNATDADEPNLNLSKIAFKIIR QEPSDSPMFIINRNTGEIRTMNNFLDREQYGG

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YALAVRGS DRDGGADGMSAECECNKILDVNDNIPYMEQSSYTIEIQE NTLNSNLL  
 IRVIDLDEEFSANWMAVIFFIGNEGNWFEI EMNERTNVGILKVVKPLDYEQSLQL  
 SIGVRNKAEFHHS IMSQYKLGASISVTVLNVIEGPVFRPGSKTYVVTGNMGS NDKV  
 GDFVATDLDTGRPSTTVRYVMGNNPADLLAVDSRTG KLTLKNKVTKEQYNMLGGK  
 YQGTILSIDDNLQRTCTGTIN INIQSFGNDDRTNTEPNTKITTNTGRQUESTSSTNYDT  
 STT STDSSQVYSSEPNGAKDLLSDNVHFGPAGIGLLIMGFLV LGLVPFLMICCDC  
 GGAPRSAAGFEPVPECSGAIHSWAVE GPQPEPRDITVIPQIPPDNANIIECIDNSG  
 VYTNEYGGR EMQDLGGGERMTGFELTEGVKTSGMPEICQEYSGTLRRNS MRECR  
 EGGLNMFMESYFCQKAYAYADEDEGRPSNDCLLI YDIEGVGSPAGSVGCCSFIGE  
 DLDDSFLDTLGPKFKKLAD ISLGKESYPDLDPSPWPPQSTEPVCLPQETEPVVS  
 GHP PIS PHFGTTTWISESTYPSGPGVLHPKPILDPLGYGNVTVTES YTTSDTLKPSVHVH  
 DNRPASNVVTERVVGPISGADLHGM LEMPDLRDGSNVIVTERVIAPSSSLPTSLTI  
 HHPRESSNV VVTERVIQPTSGMIGSLSMHPELANAHNVIVTERVVSGAG VTGISGT  
 TGISGGIGSSGLVGTSMGAGSGALSGAGISGGG IGLSSLGGTASIGHMRSSSDHFF  
 NQTIGSASPSTARSRIT KYSTVQYSK

**Purity** Proprietary Purification

**Storage** Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

**Storage Buffer** pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

## GENE INFORMATION

**Gene Name** DSG1 desmoglein 1 [ Homo sapiens ]

**Official Symbol** DSG1

**Synonyms** DSG1; desmoglein 1; DSG; desmoglein-1; CDHF4

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Gene ID	1828
mRNA Refseq	NM_001942
Protein Refseq	NP_001933
MIM	125670
UniProt ID	Q02413

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