

Recombinant Full Length Human DSG1 Protein

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

SPECIFICATION

Product Overview	Recombinant full length Human Desmoglein 1 with N terminal proprietary tag; Predicted MWt 142.39 kDa inclusive of tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1049 amino acids
Description	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.
Form	Liquid
Molecular Mass	142.390kDa inclusive of tags
AA Sequence	MDWSFFRVVAMLFIFLVVVEVNSEFRIQVRDYNTKNGTIK WHSIRRQKREWIKFAAA CREGEDNSKRNPiAKIHSDCAAN QQVTYRISGVGIDQPPYGIFVINQKTGEINITSIVD REVT PFFIIYCRALNSMGQDLERPLELRVRVLDINDNPPVFSMA TFAGQIEENSNAN TLVMILNATDADEPNLNLSKIAFKIIR QEPSDSPMFIINRNTGEIRTMNNFLDREQYGQ

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YALAVRGS DRDGGADGMSAECECNILVDNDNIPYMEQSSYTIEIQE NTLNSNLL
 IRVIDLDEEFSANWMAVIFISGNEGNWFEI EMNERTNVGILKVVKPLDYEQSLQL
 SIGVRNKAEFHHS IMSQYKLKASISVTVLNVIEGPVFRPGSKTYVVTGNMGS NDKV
 GDFVATDLDTGRPSTTVRYVMGNNPADLLAVDSRTG KLTLKNKVTKEQYNMLGGK
 YQGTILSIDDNLQRTCTGTIN INIQSFGNDDRTNTEPNTKITNTGRQUESTSSTNYDT
 STT STDSSQVYSSEPNGAKDLLSDNVHFGPAGIGLLIMGFLV LGLVPFLMICCDC
 GGAPRSAAGFEPVPECSGAIHSWAVE GPQPEPRDITTVIPQIPPDNANIIECIDNSG
 VYTNEYGGR EMQDLGGGERMTGFELTEGVKTSGMPEICQEYSGTLRRNS MRECR
 EGGLNMNFMESYFCQKAYAYADEDEGRPSNDCLLI YDIEGVGSPAGSVGCCSFIGE
 DLDDSFDTLGPKFKKLAD ISLGKESYPDLDPSPWPPQSTEPVCLPQETEPVVS GHP
 PIS PHFGTTTVESESTYPSGPGVLHPKPILDPLGYGNVTVTES 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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