

Recombinant Human DSG1

Cat. No. DSG1-26581TH **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	Wheat Germ
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.
Molecular Weight	142.390kDa inclusive of tags
Tissue specificity	Epidermis, tongue, tonsil and esophagus.
Form	Liquid
Purity	Proprietary Purification

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MDWSFFRVVAMLFIFLVVVEVNSEFRIQVRDYNTKNGTIK WHSIRRQKREWIKFAAA CREGEDNSKRNPiAKIHSDCAAN QQVTYRISGVGIDQPPYGIFVINQKTGEINITSIVD REVT PFFIIYCRALNSMGQDLERPLELRVRVLDINDNPPVFSMA TFAGQIEENSAN TLVMILNATDADEPNLNSKIAFKIIR QEPSDSPMFIINRNTGEIRTMNNFLDREQYQQ YALAVRGS DRDGGADGMSAECECNIKILDVNDNIPYMEQSSYTIEIQE NTLNSNLL IRVIDLDEEFSANWMAVIFISGNEGNWFEI EMNERTNVGILKVVKPLDYEAMQSLQL SIGVRNKAEFHHS IMSQYKLKASISVTVLNVIEGPVFRPGSKTYVVTGNMGS NDKV GDFVATDLDTGRPSTTVRYVMGNNPADLLAVDSRTG KLTLKNKVTKEQYNMLGGK YQGTILSIDDNLQRTCTGTIN INIQSFGNDDRTNTEPNTKITNTGRQUESTSSTNYDT STT STDSSQVYSSEPGNGAKDLLSDNVHFGPAGIGLLIMGFLV LGLVPFLMICCDC GGAPRSAAGFEPVPECS DGAIHSWAVE GPQPEPRDITTVIPQIPPDNANIIECIDNSG VYTNEYGGR EMQDLGGGERMTGFELTEGVKTS GMPEICQEYSGTLRRNS MRECR EGGLNMNFMESYFCQKAYAYADEDEGRPSNDCLLI YDIEGVGSPAGSVGCCSFIGE DLDDSF LDLTLGPKFKKLAD ISLGKESYPDLDPSPWPPQSTEPVCLPQETEPVVS GHP PIS PHFGTTT VISESTYPSGPGVLHPKPILDPLGYGNVTVTES YTTSDTLKPSVHVH DNRPASNVV VTERVVGPISGADLHGM LEMPDLRDGSNVIVTERVIAPSSSLPTSLTI HHPRESSNV VTERVIQPTSGMIGSLSMHPELANAHNVIVTERVVSGAG VTGISGT TGISGGIGSSGLVGTSMGAGSGALSGAGISGGG IGLSSLGGTASIGHMRSSSDHHF NQTIGSASPSTARSRIT KYSTVQYSK
Sequence Similarities	Contains 4 cadherin domains.
GENE INFORMATION	
Gene Name	DSG1 desmoglein 1 [Homo sapiens]

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Official Symbol	DSG1
Synonyms	DSG1; desmoglein 1; DSG; desmoglein-1; CDHF4;
Gene ID	1828
mRNA Refseq	NM_001942
Protein Refseq	NP_001933
MIM	125670
Uniprot ID	Q02413
Chromosome Location	18q12.1
Pathway	Apoptosis, organism-specific biosystem; Apoptotic cleavage of cell adhesion proteins, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic execution phase, organism-specific biosystem; Staphylococcus aureus infection, organism-specific biosystem;
Function	calcium ion binding; gamma-catenin binding; toxin binding;

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