

# Recombinant Full Length Human DSG1 Protein, GST-tagged

Cat. No. DSG1-4254HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human DSG1 full-length ORF ( AAI53002.1, 1 a.a. - 1049 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	1049 amino acids
<b>Description</b>	<p>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. [provided by RefSeq, Feb 2015]</p>
<b>Molecular Mass</b>	142.34 kDa
<b>AA Sequence</b>	<p>MDWSFFRVVAMLFIFLVVVEVNSEFRIQVRDYNTKNGTIKWHISIRRQKREWIKFAAA            CREGEDNSKRNPiAKIHSDCAANQQVTYRISGVGIDQPPYGIFVINQKTGEINITSIVD            REVTPFFIIYCRALNSMGQDLERPLELRVRLDINDNPPVFSMATFAGQIEENSANT            LVMILNATDADEPNLNSKIAFKIIRQEPSDSPMFIINRNTGEIRTMNNFLDREQYGQY</p>

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ALAVRGSDRDGGADGMSAECECNILKLDVNDNIPYMEQSSYTIEIQENTLNSNLEIR  
 VIDLDEEFSANWMAVIFFIGNEGNWFEIEMNERTNVGILKVKPLDYEAMQSLQLSI  
 GVRNKAEFHHSIMSQYKCLKASAVISVTLNVIEGPVFRPGSKTYVVTGNMGSNDKVG  
 FVATDLDTGRPSTTVRYVMGNNPADLLAVDSRTGKLTCLKNKVTKEQYNMLGGKYQ  
 GTILSIDDNLQRTCTGTININIQSFGNDDRTNTEPNTKITNTGRQUESTSSTNYDTSTT  
 STDSSQVYSSEPGNGAKDLLSDNVHFGPAGIGLLIMGFLVLGLVPFLMICCDCGGAP  
 RSAAGFEPVPECSGAIHSWAVEGPQPEPRDITVIPQIPPDNANIIECIDNSGVYTN  
 EYGGREMQLGGGERMTGFELTEGVKTSGMPEICQEYSGTLRRNSMRECREGGL  
 NMNFMESYFCQKAYAYADEDEGRPSNDCLLIYDIEGVGSPAGSVGCCSFIGEDLDD  
 SFLDTLGPFKKLADISLGKESYPDLDPSPWPPQSTEPVCLPQETEPVVS GHPPISPH  
 FGTTTWISESTYPSGPGVLHPKPILDPLGYGNVTVTESYTTSDTLKPSVHVHDNRPAS  
 NVVVTERVVGPISGADLHGMLEMPDLRDGSNVIVTERVIAPSSSLPTSLTIHHPRESS  
 NVVVTERVIQPTSGMIGSLSMHPELANAHNVIVTERVVS GAGVTGISGTTGISGGIGS  
 SGLVGTSMGAGSGALSGAGISGGGIGLSSLGGTASIGHMRSSSDHFFNQITIGSASP  
 STARSRITKYSTVQYSK

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

[DSG1 desmoglein 1 \[ Homo sapiens \]](#)

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<b>Official Symbol</b>	DSG1
<b>Synonyms</b>	DSG1; desmoglein 1; DSG; desmoglein-1; CDHF4; DGI; cadherin family member 4; desmosomal glycoprotein 1; pemphigus foliaceus antigen; DG1; PPKS1; SPPK1;
<b>Gene ID</b>	1828
<b>mRNA Refseq</b>	NM_001942
<b>Protein Refseq</b>	NP_001933
<b>MIM</b>	125670
<b>UniProt ID</b>	Q02413

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