

Recombinant Full Length Human DSG1 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human DSG1 full-length ORF (AA153002.1, 1 a.a. - 1049 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1049 amino acids
Description	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]
Molecular Mass	142.34 kDa
AA Sequence	MDWSFFRVVAMLFIFLVVVEVNSEFRIQVRDYNTKNGTIKWHISIRRQKREWIKFAAA CREGEDNSKRNPiAKIHSDCAANQQVTYRISGVGIDQPPYGIFVINQKTGEINITSI VDREVTPFFIIYCRALNSMGQDLERPLELRVRVLDINDNPPVF ^{SMATFAGQIEENS} NANT LVMILNATDADEPNLNSKIAFKIIRQEPSPMFIINRNTGEIRTMNNFLDREQYGY

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ALAVRGSDRDGGADGMSAECECNILDVNDNIPYMEQSSYTIEIQENTLNSNLLAIR
VIDLDEEFSANWMAVIFISGNEGNWFEIEMNERTNVGILKVKPLDYEQSLQLSI
GVRNKAEFHHSIMSQYKLKASISVTVLNVIEGPVFRPGSKTYVVTGNMGSNKVDG
FVATDLDTGRPSTTVRYVMGNPNADLLAVDSRTGKLT LKNKVTKEQYNMLGGKYQ
GTILSIDDNLQRTCTGTININIQSFGNDDRTNTEPNTKITNTGRQUESTSSTNYDTSTT
STDSSQVYSSEPGNGAKDLLSDNVHFGPAGIGLLIMGFLVLGLVPFLMICCDCGGAP
RSAAGFEPVPECSGAIHSWAVEGPQPEPRDITVIPQIPPDNANIIECIDNSGVYTN
EYGGREMQLGGGERMTGFELTEGVKTSGMPEICQEYSGTLRRNSMRECREGGL
NMNFMESYFCQKAYAYADEDEGRPSNDCLLIYDIEGVGSPAGSVGCCSFIGEDLDD
SFLDTLGPKFKKLADISLGKESYPDLDPSPWPQSTEPVCLPQETEPVVS GHPPISPH
FGTTTWISESTYPSGPGVLHPKPILDPLGYGNVTVTESYTTSDLKPSVHVHDNRPAS
NVVTERVVGPISGADLHGMLEMPDLRDGSNVIVTERVIAPSSSLPTSLTIHHPRESS
NVVTERVIQPTSGMIGSLSMHPELANAHNVIVTERVVS GAGVTGISGTTGISGGIGS
SGLVGTSMGAGSGALSGAGISGGGIGLSSLGGTASIGHMRSSSDHFNQTIGSASP
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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Official Symbol	DSG1
Synonyms	DSG1; desmoglein 1; DSG; desmoglein-1; CDHF4; DGI; cadherin family member 4; desmosomal glycoprotein 1; pemphigus foliaceus antigen; DG1; PPKS1; SPPK1;
Gene ID	1828
mRNA Refseq	NM_001942
Protein Refseq	NP_001933
MIM	125670
UniProt ID	Q02413

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