

# Recombinant Human DSG1 protein, His-SUMO & Myc-tagged

Cat. No. DSG1-2458H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human DSG1 protein(Q02413)(50-548aa), fused to N-terminal His-SUMO tag and C-terminal Myc tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	50-548aa
<b>Form</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Molecular Mass</b>	75.4 kDa
<b>AA Sequence</b>	EWIKFAAACREGEDNSKRNP IAKIHSDCAANQQV TYRISGVGIDQPPYGIFVINQKTG EINITSIVDREVT PFFIIYCRALNSMGQDLERPLELRV RVL DINDNPPVFSMATFAGQIE ENSNANTLVMILNATDADEPNLNLSKIAFKIIRQEPSDSPMFIINRNTGEIRTMNNFLD REQYGQYALAVRGSDRDGGADGMSAECECNIKILDVNDNIPYMEQSSYTIEIQENTL NSNLEIRVIDLDEEFSANWMAVIF FISSGNEGNWFEIEMNERTNVGILKVVKPLDYEA MQLQLSIGVRNKA EFHHSIMSQYK LKAS AISVTVLN VIEGPVFRPGSKTYVVTGNM GSNDKVGDFVATDLDTGRPSTTVRYVMGN NPADLLAVDSRTGKLT LKNKVTKEQYN MLGGKYQG TILSIDDNLQRTCTGTININIQSFGNDDRTNTEPNTKIT TNTGRQESTSS TNYDTSTTSTDSSQVYSSEPGNGAKDLLSDNVHFGP

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<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Storage</b>	Store at -20°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## GENE INFORMATION

<b>Gene Name</b>	DSG1 desmoglein 1 [ Homo sapiens ]
<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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