

Recombinant Human DSG1 protein, His-tagged

Cat. No. DSG1-12178H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DSG1 protein(756-1049 aa), fused with His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	756-1049 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	KKLADISLGKESYPDLDPSPWPQSTEPVCLPQETEPVVSGHPPISPFGTTTVESEST YPSGPGVLHPKPILDPLGYGNVTVTESYTTSDTLKPSVHVHDNRPASNVVVTERVVG PISGADLHGMLEMPDLRDGSNVIVTERVIAPSSSLPTSLTIHHPRESSNVVVTERVIQ PTSGMIGLSLMHPELANAHNVIVTERVVSGAGVTGISGTTGISGGIGSSGLVGTSMSG AGSGALSGAGISGGGIGLSSLGGTASIGHMRSSSDHHFNQTIGSASPSTARSRITKY STVQYSK
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw

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cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name

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

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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