

Recombinant Human desmoglein 4 Protein, His tagged

Cat. No. DSG4-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human desmoglein 4 Protein (24-631 aa) with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	24-631 aa
Description	This gene encodes a member of the desmoglein subgroup of desmosomal cadherins. The encoded preproprotein is proteolytically processed to generate the mature protein. This protein is a transmembrane component of desmosomes and may play a role in cell-cell adhesion in epithelial cells. Mutations in the gene are associated with localized autosomal recessive hypotrichosis and monilethrix, characterized by impaired hair growth.
Molecular Mass	69 kDa
AA Sequence	EFIVEVKEFDIENGTTKWQTVRRQKREWIKFAAACREGEDNSKRNPPIAKIRSDCESN QKITYRISGVGIDRPPYGVFTINPRTGEINITSVVDREITPLFLIYCRALNSRGEDLERP LELRVKVMDINDNAPVFSQSVYTASIEENSDANTLVVKLCATDADEENHLNSKIAYKI VSQEPGAPMFILNRYTGEVCTMSSFLDREQHSMYNLVVRGSDRDGAADGLSSEC DCRIKVLVDVNDNFPTLEKTSYSASIEENCLSSELIRLQAIDLDEEGTDNWLAQYLILSG NDGNWFDIQTDPQTNEGILKVVKMLDYEQAPNIQLSIGVKNQADFHYSVASQFQMH PTPVRIQVVDVREGPAFHPSTMAFSVREGIKGSSLLNYYVLGTYTAIDLDTGNPATDV

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RYIIGHDAGSWLKIDSRTGEIQFSREFDKKSKYIINGIYTAEILAI DDGSGKTATGTICIE
VPDINDYCPNIFPERRTICIDSPSVLISVNEHSYGSPFTFCVVDEPPGIADMWDVRST
NATSAILTAKQVLSPGFYEIPILVKDSYNRACELAQM VQLYACDCDDNHMCLDSGAA
GIYTEDITGDTYGPVTE DQAGVSNVGLGPAHHHHHHHH

Endotoxin < 1 EU/μg by LAL.

Purity > 90 % by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer Sterile PBS, pH7.4

Concentration 0.54 mg/mL by BCA

GENE INFORMATION

Gene Name DSG4 desmoglein 4 [Homo sapiens (human)]

Official Symbol DSG4

Synonyms DSG4; desmoglein 4; desmoglein-4; CDHF13; LAH; CDH family member 13; cadherin family member 13; CDGF13

Gene ID 147409

mRNA Refseq NM_001134453

Protein Refseq NP_001127925

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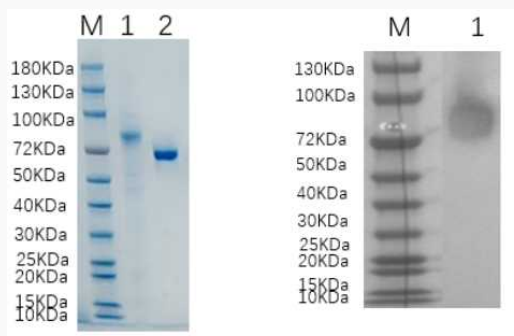
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MIM 607892

UniProt ID Q86SJ6

**Reducing 4 %-20 %
SDS-PAGE (CBB
stained) and WB
(Anti-His Mouse
Monoclonal
antibody) analysis
profiles of purified
DSG4.**



1. DSG4: 1 μ g

2. BSA: 1 μ g

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