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	EFIVEVKEFDIENGTTKWQTVRRQKREWIKFAAACREGEDNSKRNPIAKIRSDCESN QKITYRISGVGIDRPPYGVFTINPRTGEINITSVVDREITPLFLIYCRALNSRGEDLERP LELRVKVMDINDNAPVFSQSVYTASIEENSDANTLVVKLCATDADEENHLNSKIAYKI VSQEPSGAPMFILNRYTGEVCTMSSFLDREQHSMYNLVVRGSDRDGAADGLSSEC DCRIKVLDVNDNFPTLEKTSYSASIEENCLSSELIRLQAIDLDEEGTDNWLAQYLILSG NDGNWFDIQTDPQTNEGILKVVKMLDYEQAPNIQLSIGVKNQADFHYSVASQFQMH PTPVRIQVVDVREGPAFHPSTMAFSVREGIKGSSLLNYVLGTYTAIDLDTGNPATDV

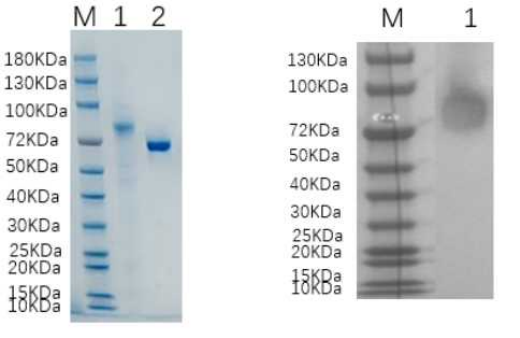
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	RYIIGHDAGSWLKIDSRTGEIQFSREFDKKSKYIINGIYTAEILAIDDGSGKTATGTICIE VPDINDYCPNIFPERRTICIDSPSVLISVNEHSYGSPFTFCVVDEPPGIADMWDVRST NATSAILTAKQVLSPGFYEIPILVKDSYNRACELAQMVQLYACDCDDNHMCLDSGAA GIYTEDITGDTYGPVTEDQAGVSNVGLGPAHHHHHHHH
Endotoxin	< 1 EU/μg by LAL.
Purity	> 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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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 μg 2. BSA: 1 μg

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