

Active Recombinant Human DSG2 protein, His-tagged

Cat. No. DSG2-510H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DSG2 protein(Q14126)(Ala50-Gly609) is expressed from HEK293 with His tag at the C-terminal.
Species	Human
Source	HEK293
ProteinLength	Ala50-Gly609
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human DSG-2, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-DSG-2 Antibody, hFc Tag with the EC50 of 10.7ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 63.6 kDa. Due to glycosylation, the protein migrates to 75-80 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC
Storage	-20 to -80°C for 12 months as supplied from date of receipt.

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-20 to -80°C for 3-6 months in unopened state after reconstitution.

2-8°C for 2-7 days after reconstitution.

Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

Reconstitution

Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name [DSG2 desmoglein 2 \[Homo sapiens \]](#)

Official Symbol [DSG2](#)

Synonyms DSG2; desmoglein 2; desmoglein-2; CDHF5; HDGC; cadherin family member 5; ARVC10; ARVD10; CMD1BB; MGC117034; MGC117036; MGC117037

Gene ID [1829](#)

mRNA Refseq [NM_001943](#)

Protein Refseq [NP_001934](#)

MIM [125671](#)

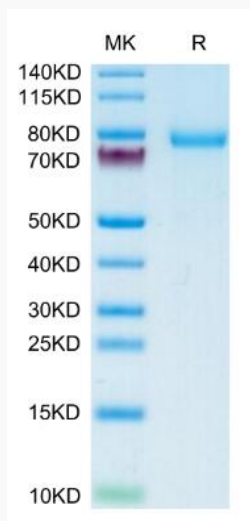
UniProt ID [Q14126](#)

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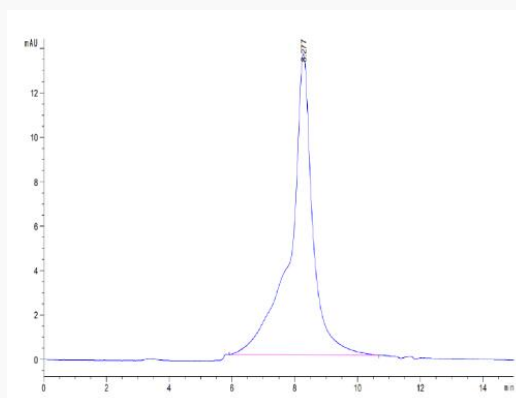
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Tris-Bis PAGE



SEC-HPLC

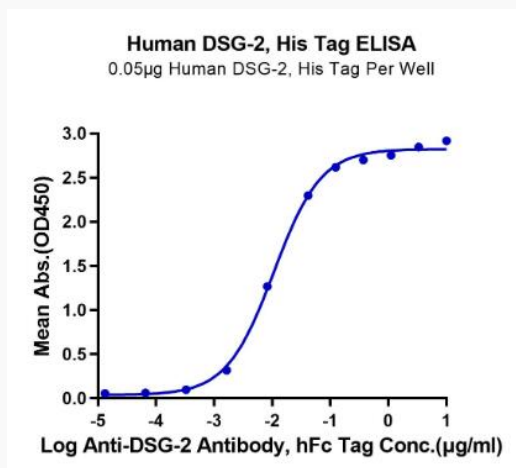


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ELISA Data



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