

Desmoglein-2 Recombinant Protein | DSG2 recombinant protein

Recombinant Human Desmoglein-2 Protein (His Tag), HPLC-verified

CATALOG # AAA259293	HOST HEK293 Cells	REACTIVITY Human
-------------------------------	-----------------------------	----------------------------

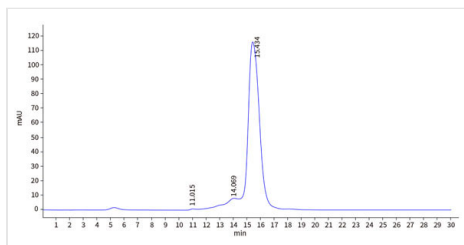
PRODUCT SYNONYMS

Desmoglein-2; Recombinant Human Desmoglein-2 Protein (His Tag); HPLC-verified; Human Desmoglein-2 Protein (His Tag); desmoglein 2; CDHF5 Protein; Human; HDGC Protein; DSG2 recombinant protein

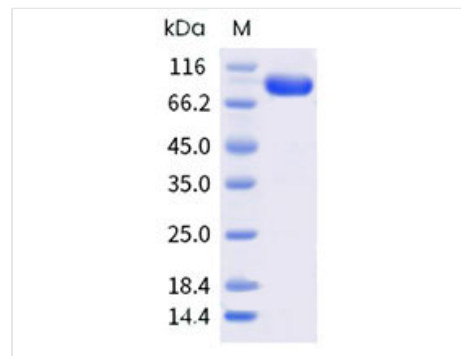
PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Reactivity	Human
Purity/Purification	>= 95% as determined by SDS-PAGE. >= 90% as determined by SEC-HPLC.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Sequence	Ala50-Gly6 09
Tag	C-His
Predicted N Terminal	Ala 50
Endotoxin	< 1.0 EU perug of the protein as determined by the LAL method
Protein Construction	A DNA sequence encoding the Human DSG2 (Q14126)(Ala50-Gly609) was expressed with a polyhistidine tag at the C-terminus.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for DSG2 recombinant protein	Desmoglein-2 (Dsg2) is a specific cadherin of the cell-cell contact in cardiac desmosomes. Mutations in the DSG2-gene are regarded to cause arrhythmogenic (right ventricular) cardiomyopathy (ARVC) which is a rare but severe heart muscle disease. The depletion of DSG2 markedly decreased hPSC proliferation and pluripotency marker expression. In addition, DSG2-negative population in hPSCs exhibited a notable suppression in embryonic body and teratoma formation. The actions of DSG2 in regulating the self-renewal and pluripotency of hPSCs were predominantly exerted through the regulation of beta-catenin/Slug-mediated epithelial-to-mesenchymal transition. Which demonstrate that DSG2 is a valuable PSC surface marker that is essential for the maintenance of PSC self-renewal.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	116534898
NCBI GeneID	1829
NCBI Accession #	NP_001934.2
NCBI GenBank Nucleotide #	NM_001943.3
UniProt Accession #	Q14126; Q4KKU6
Molecular Weight	122,294 Da
NCBI Official Full Name	desmoglein-2 preproprotein
NCBI Official Synonym Full Names	desmoglein 2
NCBI Official Symbol	DSG2
NCBI Official Synonym Symbols	HDGC; CDHF5; ARVC10; ARVD10; CMD1BB
NCBI Protein Information	desmoglein-2; HDGC; cadherin family member 5
UniProt Protein Name	Desmoglein-2
UniProt Gene Name	DSG2
UniProt Synonym Gene Names	CDHF5
UniProt Entry Name	DSG2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.