

Product Information

MemDX™ Membrane Protein Human DSG2 (Desmoglein 2) Full Length

Cat. No.: **MPC2597K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human DSG2 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

DSG2

Protein Length

Full length

Protein Class

Cell adhesion

TMD

1

Sequence

MARSPGRAYALLLLLCFNVGSGHLQVLSTRNENKLLPKHPLVRQKRA
WITAPVALREGEDLSKKNPIAKIHSDLAEEERGLKITYKYTGKGITEPPFG
IFVFNKDTGELNVTSLDREETPFLLTGYALDARGNNVEKPLELRIKVL
DINDNEPVFTQDVFGSVEELSAHTLVMKINATDADEPNTLNSKISYRI
VSLEPAYPPVFYLNKDTGEIYTTSVTLDRREEHSSYTLTVEARDGNGEVTD
KPVKQAQVQIRILDVNDNIPVVENKVLEGMVEENQVNVEVTRIKVFDDE
IGSDNWLANFTFASGNEGGYFHIETDAQTNNEGIVTLIKEVDYEEMKNLDF
SVIVANKAAFHKSIIRSKYKPTPIPIKVVKVKNVKEGIHFKSSVISIYVSES
MDRSSKGQIIGNFQAFDEDTGLPAHARYVKLEDRDNWISVDSVTSEIKLA
KLPDFESRYVQNGTYTVKIVAISEDYPRKTITGTVLINVEDINDNCPTLI
EPVQTICHDAEYVNVTAEDLDGHPNSGPFSSVIDKPPGMAEKWKIARQE
STSVLLQQSEKKLGRSEIQFLISDNQGFSCPEKQVLTTLVCECLHGSGCR
EAQHDSYVGLGPAALMILAFLLLLLVPLLLLMCHCGKGAKGFTPIPGT
IEMLHPWNNEGAPPEDKVVPFLPVDQGGSLVGRNGVGGMAKEATMKGSS
SASIVKGQHEMSEMDGRWEEHRSLLSGRATQFTGATGAIMTTETTKTARA
TGASRDMAGAAVAALNEEFLLRNYFTDKAASYTEEDENHTAKDCLLVYS
QEETESLNASIGCCSFIEGELDDRFLDDLGLKFKTLAEVCLGQKIDINKE
IEQRQKPATETSMNTASHSLCEQTMVNSENTYSSGSSFPVPKSLQEANAE
KVTQEIVTERSVSRRQAQKVATPLPDMASRNVIATETSYVTGSTMPPTT
VILGPSQPQSLIVTERVYAPASTLVDQPYANEGTVVVTERRVIQPHGGGSN
PLEGTQHLQDVPYVMVRERESFLAPSSGVQPTLAMPNIAVGQNVTVTERV
LPASTLQSSYQIPTENSMTARNTTVSGAGVPGPLPDFGLEESGHSNSTI
TTSSTRVTKHSTVQHSYS

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

DSG2

Full Name

Desmoglein 2

Introduction

This gene encodes a member of the desmoglein family and cadherin cell adhesion molecule superfamily of proteins. Desmogleins are calcium-binding transmembrane glycoprotein components of desmosomes, cell-cell junctions between epithelial, myocardial, and other cell types. The encoded preproprotein is proteolytically processed to generate the mature glycoprotein. This gene is present in a gene cluster with other desmoglein gene family members on chromosome 18. Mutations in this gene have been associated with arrhythmogenic right ventricular dysplasia, familial, 10.

Alternative Names

DSG2; HDGC; CDHF5; desmoglein-2; cadherin family member 5; Desmoglein 2

Gene ID

[1829](#)

UniProt ID

[Q14126](#)