

Product Information

MemDX™ Membrane Protein Human DSC1 (Desmocollin 1) Full Length

Cat. No.: **MPC3948K**

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

This product is a made-to-order Human DSC1 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

DSC1

Protein Length

Full length

Protein Class

Cell adhesion

TMD

1

Sequence

MALASAAPGSIFCKQLLFSLVLTLCDACQKVYLVRVPSHLQAETLVGKV
NLEECLKSASLIRSSDPAFRILEDGSIYTT HDLILSSERKSFSIFLSDGQ
RREQQEIKVVL SARENKSPKKRHTKDTALKRSKR RWAPIASLMENSLGP
FPQHVVQIQSDAAQNYTIFYSGPGVDKEPFNLFYIEKDTGDIFCTRSI
DREKYEQFALYGYATTADGYAPEYPLPLIIKIEDDNDNAPYFEHRVTIFT
VPENCRSGTSVGKVTATDLDEPDTLHTRLKYKILQQIPDHPKHFSIHPDT
GVITTTT PFLDREKCDTYQLIMEVRDMGGQPFGLFNTGTITISLEDENDN
PPSFTETS YVTEVEENRIDVEILRMKVQDQDLNTPHSAVYKILQGNEN
GNFIISTDPNTNEGVL CVVKPLNYEVNRQVILQVGVINEAQFSKAASSQT
PTMCTTTVT VKIIDSDEGPECHPPVKVIQSQDGFPAGQELLGYKALDPEI
SSGEGLRYQKLGD EDNWF EINQHTGDLRTLKVLDRESKFKNNQYNISVV
AVDAVGRSCTGT LVVHLDDYNDHAPQIDKEVTICQNNEDFAVLKPVDPDG
PENGPPFQFFLDNSASKNWNIEEKDGKTAILRQRQNLDYNYYSVPIQIKD
RHGLVATHMLTVRVCDSTPSECRMKDKSTRDVRPNVILGRWAILAMVLG
SVLLLCILFTCF CVTAKRTVKKCFPEDIAQQNLIVSNTEGPGEVTEANI
RLPMQTSNICDTSMSVGT VGGQGIKTQQSFEMVKGGYTLD SNKGGGHQTL
ESVKGVGQGD TGRYAYTDWQSFTQ PRLGEKVYLCGQDEEHKHCEYVCSY
NYEGKGS LAGSVGCCSDRQEEEGLEFLDHLEPKFRTLAKTCIKK

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

DSC1

Full Name

Desmocollin 1

Introduction

The protein encoded by this gene is a calcium-dependent glycoprotein that is a member of the desmocollin subfamily of the cadherin superfamily. These desmosomal family members, along with the desmogleins, are found primarily in epithelial cells where they constitute the adhesive proteins of the desmosome cell-cell junction and are required for cell adhesion and desmosome formation. A subtype of IgA pemphigus, a life-threatening autoimmune disease, is characterized by the presence of autoantibodies that target the encoded protein. The desmosomal family members are arranged in two clusters on chromosome 18. Alternative splicing of this gene results in multiple transcript variants. At least one of these variants encodes a preproprotein that is proteolytically processed to generate the mature protein.

Alternative Names

DSC1; CDHF1; DG2/DG3; desmocollin-1; cadherin family member 1; desmosomal glycoprotein 2/3; Desmocollin 1

Gene ID

[1823](#)

UniProt ID

[Q08554](#)