

Product Information

MemDX™ Membrane Protein Human DSG1 (Desmoglein 1) Expressed in NS0 for Antibody Discovery, Partial (50-545aa)

Cat. No.: **MPX0244K**

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

This product is a 82 kDa Human DSG1 membrane protein expressed in NS0. 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

DSG1

Protein Length

Partial (50-545aa)

Protein Class

Cell adhesion

Molecular Weight

82 kDa

TMD

1

Sequence

E
WIKFAAACREGEDNSKRNP
IAKIHSDCAANQQVTYRIS
GVGIDQPPYGIFVINQKT
GEINITSIVDREVT
PFFIYCRALNSMGQDL
ERPLELRVRVLDI
NDNPPVFSMATFAGQIE
ENSNANTLVMILNATDA
DEPNLNLSKIAFKIIR
QEPSDSPMFIINRTGEI
RTMNNFLDREQYGQYAL
AVRGSDRDGGADGMS
AECECNIKILDVNDNIP
YMEQSSYTIEIQENTL
NSNLEIRVIDLDEEFS
ANWMAVIFFIGNEGNW
FEIEMNERTNVGILKVV
KPLDYEAMQSLQLSIG
VRNKAEFHHSIMSQYKL
KASISVTVLNVIEGPV
FRPGSKTYVVTGNMGS
NDKVGDFVATDLDTGR
PSTTVRYVMGNNPADL
LAVDSRTGKLT
LKNKVTKEQYNMLG
GKYQGTL
SIDDNLQRTCTGTIN
INIQSFGNDDRTNTE
PNTKITTNTGRQEST
SSTNYDTSTTSTDSS
QVYSSEPGNGAKD
LLSDNVH

Product Description

Expression Systems

NS0

Tag

hIgG1 Fc tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 100 µg/mL in sterile PBS.

Endotoxin

<1.0 EU per 1 µg of the protein by the LAL method.

Purity

>95%, by SDS-PAGE under reducing conditions and visualized by silver stain

Buffer

Lyophilized from a 0.2 µm filtered solution in Tris, NaCl and Citrate.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

DSG1

Full Name

Desmoglein 1

Introduction

This gene encodes a member of the desmoglein protein subfamily. Desmogleins, along with desmocollins, are cadherin-like transmembrane glycoproteins that are major components of the desmosome. Desmosomes are cell-cell junctions that help resist shearing forces and are found in high concentrations in cells subject to mechanical stress. This gene is found in a cluster with other desmoglein family members on chromosome 18. The encoded protein has been identified as a target of auto-antibodies in the autoimmune skin blistering disease pemphigus foliaceus. Disruption of this gene has also been associated with the skin diseases palmoplantar keratoderma and erythroderma.

Alternative Names

DSG1; DG1; DSG; CDHF4; EPKHE; PPKS1; SPPK1; EPKHIA; desmoglein-1; cadherin family member 4; desmosomal glycoprotein 1; pemphigus foliaceus antigen; Desmoglein 1

Gene ID

[1828](#)

UniProt ID

[Q02413](#)