

Recombinant Human DSC2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DSC2-4443H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DSC2 MS Standard C13 and N15-labeled recombinant protein (NP_004940) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the desmocollin protein subfamily. Desmocollins, along with desmogleins, 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 desmocollin family members on chromosome 18. Mutations in this gene are associated with arrhythmogenic right ventricular dysplasia-11, and reduced protein expression has been described in several types of cancer. Alternative splicing results in multiple transcript variants.
Molecular Mass	93.77 kDa
AA Sequence	MEAARPSGSWNGALCRLLLTLAILIFASDACKNVTLVPSKLD AEKLVGRVNLKECF TAANLIHSSDPDFQILEDGSVYTTNTILLSSEKRSFTILLSNTENQEKKKIFVFLEHQTK VLKKRHTKEKVLRRRAKRRWAPIPCSMLENSLGPFLFLQVQSDTAQNYTIYYISIRG PGVDQEPRNLFYVERDTGNLYCTRPVDREQYESFEIIAFATTPDGYTPELPLPLIIKIE

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DENDNYPIFTEETYFTIFENCRVGTTVGQVCATDKDEPDTMHTRLKYSIIGQVPPSP
 TLFSMHPTTGVIITTTSSQLDRELIDKYQLKIKVQDMDGQYFGLQTTSTCIINIDDVNDH
 LPTFTRTSYVTSVEENTVDVEILRVTVEDKDLVNTANWRANYTILKGNENGNFKIVTD
 AKTNEGVLCVVKPLNYEEKQQMILQIGVVNEAPFSREASPRSAMSTATVTVNVEDQ
 DEGPECNPPIQTVRMKENAEVGTTSNGYKAYDPETRSSSGIRYKKLTDPTGWVTID
 ENTGSIKVFRSLDREAETIKNGIYNITVLASDQGGRTCTGTLGILQDVNDNSPFIPKKT
 VIICKPTMSSAEIVAVDPDEPIHGPPFDFSLESSTSEVQRMWRLKAINDTAARLSYQN
 DPPFGSYVVPITVRDRLGMSSVTSLDVTLDCITENDCTHRVDPRIIGGGGVQLGKW
 AILAILLGIALLCILFTLVCGASGTSKQPKVIPDDLAQQNLIVSNTEAPGDDKVYSANG
 FTTQTVGASAQGVCGTVGSGIKNGGQETIEMVKGGHQTSESCRAGHHHTLDSCR
 GGHTEVDNCRYTYSEWSFTQPRLGEEESIRGHTLIKNTTRTRPLEQKLISEEDLAANDI
 LDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name DSC2 desmocollin 2 [Homo sapiens (human)]

Official Symbol DSC2

Synonyms DSC2; desmocollin 2; DSC3; desmocollin-2; CDHF2; cadherin family member 2;

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desmosomal glycoprotein II; desmosomal glycoprotein III; desmosomal glycoprotein II/III; DG2; ARVD11; DGII/III; DKFZp686I11137;

Gene ID 1824

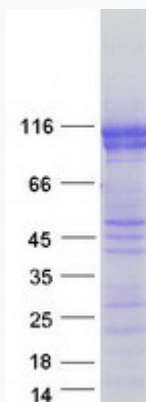
mRNA Refseq NM_004949

Protein Refseq NP_004940

MIM 125645

UniProt ID Q02487

SDS-PAGE



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