

Product datasheet for PH309218

Desmocollin 2 (DSC2) (NM_024422) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DSC2 MS Standard C13 and N15-labeled recombinant protein (NP_077740)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209218
Predicted MW:	97 kDa
Protein Sequence:	>RC209218 representing NM_024422 Red=Cloning site Green=Tags(s)

MEARPSGSWNGALCRLLLTLAILIFASDACKNVTLHVPSKLDAEKLVGRVNLKECFTAANLIHSSDPD
FQILEDGSVYTTNTILLSSSEKRSFTILLSENTENQEKKKIFVFLEHQTKVLKRRHTKEKVLRRARRWAPI
PCSMLENSLGPFFPLFLQQVQSDTAQNYTIYYSIRGPGVDQEPNLFYVERDTGNLYCTRPVDREQYESFE
IIAFATTPDGYTPELPLPLIIKIEDENDNYPIFTEETYFTIFENCRVGTTVGQVCATDKDEPDTMHTRL
KYSIIGQVPPSPTLFSMHPTTGVIITSSQLDRELIDKYQLKIKVQDMGQYFGLQTTSTCIINIDDVND
HLPFTFTRTSYVTSVEENTVDVEILRVTVEDKDLVNTANWRANYTILKGNENGNFKIVTDAKTNEGVL CVV
KPLNYEEKQQMILQIGVNNEAPFSREASPRSAMSTATVTVNVEDQDEGPECNPIQTVRMKENAEVGTTS
NGYKAYDPETRSSGIRYKCLDPTGWVIDENTGSIKVFRLDREAETIKNGIYNITVLA SDQGGRTCT
GTLGIILQDVNDNSPFI PKKTVIICKPTMSSAEI VAVDPDEPIHGPPDFLESSTSEVQRMWRLKAIN D
TAARLSYQNDPPFGSYVVPITVDRDLGMSSVTSLDVTL CDCITENDCTHRVDPRI GGGVQLGKWA I LAI
LLGIALLFCILFTLVCGASGTSKQPKVIPDDLAQQNLIVSNTEAPGDDKVYSANGFTTQTVGASAQGVCG
TVGSGIKNGGQETIEMVKGGHQTSESCRAGHHHTLDSCRGGHTEVDNCRYTYSEWHSFTQPR LGEKVYL
CNQDENHKAQDYVL TYNYEGRGSVAGSVGCCSERQEEDGLEFLDNLEPKFRTLAEACMKR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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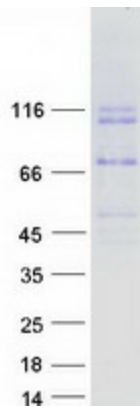
RefSeq:	<u>NP_077740</u>
RefSeq Size:	5140
RefSeq ORF:	2703
Synonyms:	ARVD11; CDHF2; DG2; DGII/III; DSC3
Locus ID:	1824
UniProt ID:	<u>Q02487</u>
Cytogenetics:	18q12.1

Summary: 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. [provided by RefSeq, Feb 2015]

Protein Families: Transmembrane

Protein Pathways: Arrhythmogenic right ventricular cardiomyopathy (ARVC)

Product images:



Coomassie blue staining of purified DSC2 protein (Cat# [TP309218]). The protein was produced from HEK293T cells transfected with DSC2 cDNA clone (Cat# [RC209218]) using MegaTran 2.0 (Cat# [TT210002]).