

## Product datasheet for TP322207

### Desmocollin 2 (DSC2) (NM\_004949) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens desmocollin 2 (DSC2), transcript variant Dsc2b, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222207 representing NM_004949 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MEAAPSGSWNGALCRLLLTLAILIFASDACKNVTLHVPSKLDKAEKLVGRVNLKECFTAANLIHSSDPD  
FQILEDGVSYYTNTILLSSEKRSFTILLSNTENQEKKKIFVLEHQTKVLKKRHTKEKVLRRAKRRWAPI  
PCSMLENSLGPFLFLQVQSDTAQNYTIYYSIRGPGVDQEPNLFYVERDTGNLYCTRPVDREQYESFE  
IIAFATTPDGYTPELPLPLIIEKIEDENDNYPIFTEETYFTIFENCRVGTTVGQVCATDKDEPDTMHTRL  
KYSIIGQVPPSPTLFSMHPTTGVITTTSSQLDRELIDKYQLKIKVQDMGQYFGLQTTSTCIINIDVND  
HLPTFTRTSYVTSVEENTVDVEILRVTVEDKDLVNTANWRANYTILKGNENGNFKIVTDAKTNEGVLVCV  
KPLNYEEKQMILQIGVVNEAPFSREASPRSAMSTATVTVNVEDQDEGPECNPIQTVRMKENAEVGTTS  
NGYKAYDPETRSSSGIRYKLLDPTGWVTIDENTGSIKVFRSLDREAETIKNGIYNITVLASDQGGRTCT  
GTLGIIQDVNDNSPFIPKKTVIICKPTMSSAEIVAVDPDEPIHGPPDFDFSLESSTSEVQRMWRLKAIND  
TAARLSYQNDPPFGSYVVPITVRDRLGMSSVSLDVTLCDCITENDCTHRVDPRIIGGGVQLGKWAILAI  
LLGIALLFCILFTLVCGASGTSKQPKVIPDDLAQQLNIVSNTTEAPGDDKVYSANGFTTQTVGASAQGVCG  
TVGSGIKNGGQETIEMVKGGHQTSESCRAGHHHTLDSCRGGHTEVDNCRYTYSEWHSFTQPRLGEESIR  
GHTLIKN

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

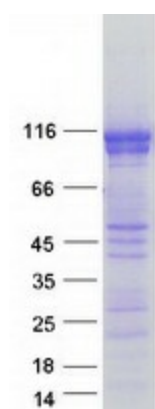
Tag:	C-Myc/DDK
Predicted MW:	90.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_004940</a>
<b>Locus ID:</b>	1824
<b>UniProt ID:</b>	<a href="#">Q02487</a>
<b>RefSeq Size:</b>	5186
<b>Cytogenetics:</b>	18q12.1
<b>RefSeq ORF:</b>	2541
<b>Synonyms:</b>	ARVD11; CDHF2; DG2; DGII/III; DSC3
<b>Summary:</b>	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]
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Arrhythmogenic right ventricular cardiomyopathy (ARVC)

### Product images:



Coomassie blue staining of purified DSC2 protein (Cat# TP322207). The protein was produced from HEK293T cells transfected with DSC2 cDNA clone (Cat# [RC222207]) using MegaTran 2.0 (Cat# [TT210002]).