

Product datasheet for **MR210942**

Dsc2 (NM_013505) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dsc2 (NM_013505) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dsc2
Synonyms:	AW228162; Dsc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR210942 representing NM_013505
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCTGTGGGATCTATGCGCTCCGGGAGCCCTGCCTTCGGCCTGGGACACCTGTTGACCCCTTGCGA
 TCCTTGCACTTGCTCTGATGCCTGTAAGAAGTCGTCTCCAGTCCCTCTGAACTACCTGCCGAGAA
 ATTTGTTGGCAGAGTGAACCTGATGGACTGCCTTAAATCAGCAGACATAGTTCATCTGAGTGATCCTGAC
 TTCCAAGTCTTAGAAGATGGTTCTGTGTACACAACCAGTCTGTTGTTTTGCTCGGGGCAAAGAAGCT
 TTAATAATAGGCTTTTTAGCACAGACAGCAAGAAGAAAGGGAGATATCTGTCCATTTAGAGGGCCAGT
 AGAGGTAATAAAAAGACCGCATACAGAGAAGGTTCTCAGCCGTGCCAAGAGAAGATGGGCTCCTATC
 CCTTGTTCCATGTAGAGAATTCATTGGGTCCTTCCCCTTTTCTTCAACAGATCCAGTCTGACACAG
 CTCAAACTATAACCATATACTATCCATCAGAGGTCCAGGAGTTGATAAAGAACCCTAAACTTATTTTA
 TGTGAAAAGAGATACTGGAAACCTGTATTGCACTGGTCTGTAGATCGTGAGCAGTATGAGTCTTTGAG
 CTGACTGCATTTGCAACAACCTCCAGATGGGTATACGCCAGAGTACCCACTGCCGCTCCTCATTAAAAATAG
 AGGACGAGAACGATAATTACCCGATCTTACACAGAACTGTACAGTTCACAGTTCAGGAAAATAGTCG
 CATTGGTTCTATTGTGGGGGAGGTCTGTGCAACCGACCTGGATGAGCCAGACACAATGCACACTCGCCTG
 AGGTACTCCATCCTGGAGCAGTCGCCTTCTCCACCCATGCTATTTACTATGCATCCCAGCACTGGTGTGA
 TCACTACCACGTCGGCTCAGCTGGACAGAGAGTAAATTGACAAGTACCAGTTGCTAATAAAAAGTCCAGGA
 TATGGATGGCCAGTATTTGGTTTGACACAACAGCAAAGTGCATCATTACTATTGAAGATGTGAATGAC
 AACCTGCCACGTTCACTCGCACTACGTATGTGACATCAGTGAAGAAAATACAGTTAATGTGAAAATCT
 TGGCAATGAAAATGAAAATTTTAAAATCGTAAACAGATCCTAAAACCAATGAAGGCATTCTGTGTGTGATT
 AAGCCTCTGGACTATGAAGAACGGCAACAGGTGACCCTGCAAATGGAGTAGTAAATGAAGCTCCATACA
 CTAGAGAGGCTAGCTCAAAGTCAACCATGAGCAGACCCACAGTACTGTCACCGTGACAAAATCAGGATGA
 GGGCCCGGAGTGTATCCCTCCAATGCAAACCTGTGAGGATCAAGAAAATGTACCAGTTGGGACTAGAAAAT
 GATGGATATAAGGCATATGACCCAGAGACCAGAAGCAGCAGTGGCATAAGGTACAGAAAAGTTAAGTGACC
 CAAGAGGGTGGTCACTGTTAATGAAGATTCAGGATCGATCACTATTTCCGAGCGTTGGATCGAGAGGC
 TGAGACTGTCAGAAAATGGCATTACAATATTACAGTCTTGCCTTAGATGCAGATGGGAGAAGCTGTACT
 GGAACCTGGGAATCATACTTGAAGATGTGAATGATAATGGCCATTATACCAAGCAGACAGTGGTGA
 TATGCAAGGCTACCATGTCTCTGCTGAAATTGTTGCAGTTGATCTCGATGATCCAGTGAATGGCCACC
 ATTTGATTTCAAGTTGGAGAGCTCTGATTCGGAAGTTCAGAGGATGTGGAGGCTAACAAGAATCAATGAT
 ACAGCAGCTCGTCTTTCCTATCAGAACGACCCCTCATTGGATCCTATGCAGTTCCTCATTGAGTTACAG
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 CTGTTGGGCATAGCCTTGCTATTTTGTATCCTGTTTACATTAGTCTGTAGTGTTCCTGGGCATCAAAC
 AACAGAAAATTTCTCTGATGACTTAGCTCAACAGAACCTAATTGTATCAAACACCGAGGCTCCTGGAGA
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 ACCATGGGAACTGGAGTCAAAGTGGAGGGCAAGAGACCATTGAGATGGTAAAAGGAGGGCAGCAGACTT
 TGGACTCAGCAGAGGGGCTGGCTATCATCACCATACCCTGGATCCTTGCAGGGGAGGACATGTGGAGGT
 GGACAACCTACAGACACACTTACTCAGAGTGGTACAATTTCAATCAGCCCCGACTTGGTGTGAAACCATT
 AGAGGACACACTCTGATTAATAAAT

ACGCGTACGCGGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210942 representing NM_013505
 Red=Cloning site Green=Tags(s)

MAAVGSMRSGSPAFGLGHLLTLAILALASDACKEVVLQVPSELPAEKFVGRVNLMDCLKSADIVHLSDDP
 FQVLEDGSVYTTSSVVLSSGQRSFTIWLFFSTDSQEEREISVHLEGPVEVLNKRPHTEKVL SRAKRRWAPI
 PCSMLENSLGPFFLFLQIQSDTAQNYTIYYSIRGPGVDKEPLNLFYVERDTGNLYCTGRVDREQYESFE
 LTAFAATPDGYTPEYPLPLLIIKIEDENDNYPIFTQKLYSFTVQENSRIQSVIGVECATDLDEPDTMHTRL
 RYSILEQSPSPMLFTMHPSTGVITTTSAQLDRELIDKYQLLIKVDMDGQYFGLHTTAKCIITIEDVND
 NLPFTFRTRTYVTSVEENTVNVEILRLTVQDKDLVNSPNWRANYTILKGNENGNFKIVTDPKTNEGILCVI
 KPLDYEERQQVTLQIGVVNEAPYTREASSKSPMSTATVTVTVTNQDEGPECIPPMQTVRIQENVVPGTRN
 DGYKAYDPETRSSSGIRYRKLSDPRGWTVNEDSGSITIFRALDREAETVRNGIYNITVLAALDADGRSCT
 GTLGIILEDVNDNGPFIKQTVVICKATMSSAEIVAVDLDDPVNGPPDFSLSSDSEVQRMWRLTRIND
 TAARLSYQNDPSFGSYAVPIRVTDRLGLSSVTTLNVLVDCITESDCTLRSGERTGYADVRLGPWAILAI
 LLGIALLF CILFTLVCSVSRASKQKILPDDLAQQNLIVSNTEAPGDDKVVSTNGLTTQTMGASGQTAFT
 TMGTGVKSGGQETIEMVKGQQLDSRRGAGYHHHTLDPGRGGHVEVDNYRHTYSEWYNF IQPRLGDETI
 RGHTLIKN

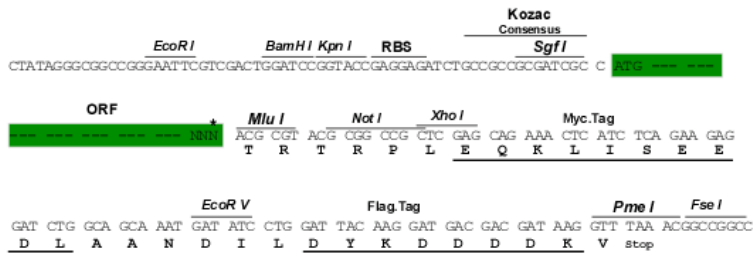
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9027_b09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

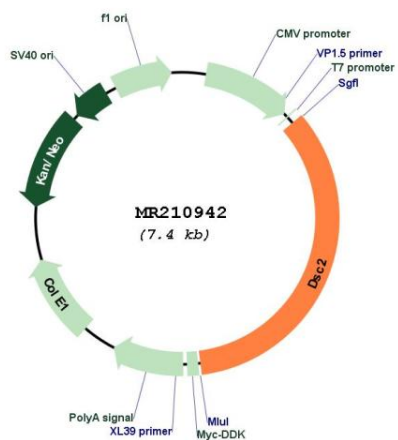
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_013505
ORF Size:	2544 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_013505.4 , NP_038533.1
RefSeq Size:	4416 bp
RefSeq ORF:	2547 bp
Locus ID:	13506
UniProt ID:	P55292
Cytogenetics:	18 11.14 cM
MW:	94.4 kDa
Gene Summary:	This gene encodes a member of the desmocollin protein subfamily. 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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]

Product images:



Circular map for MR210942