

Product datasheet for **MC222039**

Dsc2 (NM_013505) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC222039 representing NM_013505
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCTGTGGGATCTATGCGCTCCGGGAGCCCTGCCTTCGGCCTGGGACACCTGTTGACCCCTTGCGA
 TCCTTGCACTTGCTCTGATGCCTGTAAGAAGTCGTCCTCCAGTCCCTCTGAACTACCTGCCGAGAA
 ATTTGTTGGCAGAGTGAACCTGATGGACTGCCTTAAATCAGCAGACATAGTTCATCTGAGTGATCCTGAC
 TTCCAAGTCTTAGAAGATGGTTCTGTGTACACAACCAAGTCTGTTGTTTTGCTCGGGGCAAAGAAGCT
 TTAATAATAGGCTTTTTAGCACAGACAGCAAGAAGAAAGGGAGATATCTGTCCATTTAGAGGGCCAGT
 AGAGGTAATAAAAAGACCGCATACAGAGAAGGTTCTCAGCCGTGCCAAGAGAAGATGGGCTCCTATC
 CCTTGTCCATGTAGAGAATTCATTGGGTCCTTCCACTTTTCTTCAACAGATCCAGTCTGACACAG
 CTCAAACTATAACCATATACTATCCATCAGAGGTCCAGGAGTTGATAAAGAACCCTAAACTTATTTTA
 TGTGAAAAGAGATACTGGAAACCTGTATTGCCTGGTCTGTAGATCGTGAGCAGTATGAGTCTTTGAG
 CTGACTGCATTTGCAACAACCTCCAGATGGGTATACGCCAGAGTACCCACTGCCGCTCCTCATTAAAAATAG
 AGGACGAGAACGATAATTACCCGATCTTACACAGAACTGTACAGTTCACAGTTCAGGAAAATAGTCG
 CATTGGTTCTATTGTGGGGGAGGTCTGTGCAACCGACCTGGATGAGCCAGACACAATGCACACTCGCCTG
 AGGTACTCCATCCTGGAGCAGTCGCCTTCTCCACCCATGCTATTTACTATGCATCCCAGCACTGGTGTGA
 TCACTACCACGTCGGCTCAGCTGGACAGAGAGTAAATTGACAAGTACCAGTTGCTAATAAAAAGTCCAGGA
 TATGGATGGCCAGTATTTGGTTTGCACACAACAGCAAAGTGCATCATTACTATTGAAGATGTGAATGAC
 AACCTGCCACGTTCACTCGCACTACGTATGTGACATCAGTGAAGAAAAACAGTTAATGTGAAAATCT
 TGGCAATGAAAAATGAAAATTTTAAAAATCGTAACAGATCCTAAAAACCAATGAAGGCATTCTGTGTGATT
 AAGCCTCTGGACTATGAAGAACGGCAACAGGTGACCCTGCAAATGGAGTAGTAAATGAAGCTCCATACA
 CTAGAGAGGCTAGCTCAAAGTCAACCATGAGCAGACCCACAGTACTGTACCCGTGACAAATCAGGATGA
 GGGCCCGAGTGTATCCCTCCAATGCAAACCTGTGAGGATCAAGAAAAATGTACCAGTTGGGACTAGAAAT
 GATGGATATAAGGCATATGACCCAGAGACCAGAAGCAGCAGTGGCATAAGGTACAGAAAGTTAAGTGACC
 CAAGAGGGTGGTCACTGTTAATGAAGATTCAGGATCGATCACTATTTCCGAGCGTTGGATCGAGAGGC
 TGAGACTGTCAGAAATGGCATTACAATATTACAGTCTTGCCTTAGATGCAGATGGGAGAAGCTGTACT
 GGAACCTGGGAATCATACTTGAAGATGTGAATGATAATGGCCATTCAATCCCAAGCAGACAGTGGTGA
 TATGCAAGGCTACCATGTCTCTGCTGAAATTGTTGCAGTTGATCTCGATGATCCAGTGAATGGCCACC
 ATTTGATTTCAAGTTGGAGAGCTCTGATTCGGAAGTTCAGAGGATGTGGAGGCTAACAAAGATCAATGAT
 ACAGCAGCTCGTCTTTCCTATCAGAACGACCCCTCATTGGATCCTATGCAGTTCCTCATTGAGTTACAG
 ACAGACTTGGTCTGTCTCAGTAACCACATTGAATGTCCTTGTATGTGACTGCATTACTGAAAGTACTG
 CACTCCGCTCTGGAGAAAGGACTGGCTATGCTGATGTGAGACTTGACCATGGGCCATCCTTGTATA
 CTGTTGGGCATAGCCTTGCTATTTGTATCCTGTTTACATTAGTCTGTAGTGTTCCTGGGCATCAAAC
 AACAGAAAATCTTCTGATGACTTAGCTCAACAGAACCTAATTGTATCAAACACCGAGGCTCCTGGAGA
 TGACAAAATTTATCCACAAACGGCTTGACAACCTCAAACATGGGAGCTTCTGGGCAGACAGCTTTCACC
 ACCATGGGAACCTGGAGTCAAAGTGGAGGGCAAGAGACCATTGAGATGGTAAAAGGAGGGCAGCAGACTT
 TGGACTACGCAGAGGGGCTGGCTATCATCACCATACCCTGGATCCTTGCAGGGGAGGACATGTGGAGGT
 GGACAACCTACAGACACTTACTCAGAGTGGTACAATTTCAATCAGCCCCGACTTGGTGTGAAACCATT
 AGAGGACACACTCTGATTAATAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_013505
Insert Size: 2547 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	4640 bp
RefSeq ORF:	2547 bp
Locus ID:	13506
UniProt ID:	P55292
Cytogenetics:	18 11.14 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (Dsc2b) contains an additional exon at the 3' end, which results in a frameshift, compared to variant Dsc2a. The encoded isoform (Dsc2b) has a shorter and distinct C-terminus compared to isoform Dsc2a.</p>