

Product datasheet for **MC222550**

Dsg1c (NM_181680) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dsg1c (NM_181680) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dsg1c
Synonyms:	Dsg; dsg1g; Dsg1gamma; Dsg6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222550 representing NM_181680
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACTGGCACTCCTTCAGGATAGCTGCCCTGCTGCTCACTTCCCTGGTGGTGCTTGAAGTTAACAGTG
 AATTTCAAATCCAGGTAAGAGATCATAACGCCAAAAATGGTACCATCAAGTGGCATTCCATCAGAAGGCA
 GAAACGAGAATGGATCAAGTTTGTGTCAGCCTGTGCGAAGGTGAAGACAACCTCAAAGAGAAACCAATT
 GCCAAAATTCATTCACTGTGCTGCAACCAACCACTGACATACCGCATCTCGGAGTGGGAATTGACC
 AGCCACCTTATGGAATCTTCATTATTAACCAAAAACTGGTGAAATCAATATAACATCCATTGTTGATCG
 TGAAGTCACCCCTTTTTCATTATCTATTGCCGAGCACTGAATGCACAAGGTCAAGACTTGGAGAATCCA
 CTGGAGCTTAGAGTTAGAGTGATGGATATAACGACAACCCTCCTGTGTTTTCAATGACTACATTTCTAG
 GACAAATAGAAGAAAATCTAATGCAAAACACACTGGTAATGAACTCAATGCTACCGATGCCGATGAGCC
 AAATAACTTGAATCAATGATAGCCTTCAAGATCATAAGACAGGAGCCTTCTGACTACCAATGTTCCACC
 ATCAACAGGAAAACTGGAGAAATCAGAACAATGAATAACTTTCTAGACAGAGAGCAATATAGCCAGTATT
 CCCTTGTGGTGAGAGGCTCAGACCGGGACGGTGGAGCAGACGGCATGTCTGCAGAGAGCGAGTGCAGCAT
 CACCATCCTGGATGTCAATGACAACATCCCATACTTGGAGCAGTCATCTTATGACATCACAATTGAAGAA
 AACACACTTCACTCCCACTATTGCAGATCAGAGTCATTGATTTGGATGAAGAATTCTCAGACAACCTGGA
 AGGCAATCATTTTCTTTATCTCTGGAAATGAGGGAATTTGGTTTGAATAGAAATGAATGAAGAACAAA
 TGTAGGAACTCTGAAGGTTGTCAAGCCCTAGATTATGAAGCCGTGAAGAATCTACAGCTTTGTATTGGT
 GTTCGAAATGTAGCTGAATTCACCACTCAATTTTCTCAATATAGACTCACAGTAACCTTGATCACTG
 TGACTGTGTTAAATGTTGTCAAGGGCTGTGTGTTCCAGCCAGTTCAAAGACATTTATAGTAGACAGTAG
 AATGGAAGCAAAATCACACAGTGGGAGAGTTTTTAGCTACAGACTGTGAAACAGGTCAAGCTACAAACAAG
 TTCAAAAATGTTAGATACAGATATGTAATGGGAAATAACCCAGAGAACCTGCTGGTTGTTGACTCAGGCA
 TAATAACTTTAAGAAACAGAGTTACTATGGAACAATACGAAAGGCTTAATAAGAGATATGAAGGAACAGT
 GCTATCAATACATGATTCCTTCAGAGGACCTGCACAGGACAATCATCATGGTACTTTGTGGCTTCTGG
 ACAACTACTGAACATCCCAACATCCACTGAGAAACCTGTGACTCTATCCATCACTCCAAACGTAGACA
 ATGTTCACTTCGGTCTGCAGGCATCGGCTGCTCATCATGGGTTCTAGTCTTAGGATTGGTTCCATT
 CCTGCTGATCTCCTGTGATTGTGGAGGGGCCCTGGTGGTGGAGCTGGATTTGAACCTGTCCAGAATGT
 TCTGATGGAGCAATTCACACGTGGGCTGTAGAAGGGCCACAGCCTGGTGGGATAACCACCATCTGTGTGC
 CACAAATGCCACCTGGTAATGCCAATGTTATAGAATATATTGACAACCTCAGGAGTTTATACAAATGAATA
 TTGTGGCAGAGAAATGCAAGATCTGGGAGGAGGAGAACGAACCACAGGATTTGAACCTAATGGATGGAGTT
 AAAACATCAGCTGCACCTGAGATATGCCAAGAATATTCAGGAACATTAAGAAGAAATTCATGAGAGAAT
 GTAGAGATGGGGGTCTCAACATGAATTTATGGAAGTTACTTCTGCCAGAAAGCCTATGCTTATGCGGA
 TGAAGATGAAGGACGTCCATCCAATGACTGTTTGTCTATGACATCGAAGGTGTGGGTTCCCTGCA
 GGCTCCGTGGGCTGTTGCAGTTTCATTGAAGATCTAGATGAGAGTTTCTGGATACCTTGGGGCCCAAGT
 TTAAGAAGTTGGCAGATATCAGCCTGGGAAAAGAAATAGACTCATACCCAGATCCTGATCCTTCTTGGCC
 TCCTCAGAGCACTGAACCAATTTGCCACAGCATATGGAGCAACTTGCTAGTGGACACCAAGCATATCC
 CCACATTTTGGCAAGACCACAGTAATTTCTGAGAATGCCACCCCTCTGGCCCTGGAGTACAGCATCCTA
 TGCTAATTCCTGATCCTCTGGGCTATGGTAATATCACTGTGAGGGAGTCTATACTACCTCTGGCACTCT
 GAAACCTCTGTCCACTTTCATGATAACCAGCAAGCTTCAAATGTGGTGGTGACAGAGAGAGTGGTGGGC
 CCCATCTCTGGTCTGATTTGCATGGCATGTTAGAGATACCTGCCTTAAGAGATGGAACAAATGTTATAG
 TGACAGAAAGGGTAATAGCACCAGGCTCAAGTTTACCAATTCTTAACCATTCTAACCTCGAGAGAC
 CTCAAATGTAGTTGTGACAGAAAGAGTGATCCAACCAACCTCTGGCATGATAGGCAACCTGAGCATCCCC
 CCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_181680
Insert Size:	2736 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_181680.2</u> , <u>NP_859008.1</u>
RefSeq Size:	4088 bp
RefSeq ORF:	2736 bp
Locus ID:	211924
UniProt ID:	<u>Q7TSF0</u>
Cytogenetics:	18 11.26 cM
Gene Summary:	This gene encodes a member of the cadherin family of proteins that forms an integral transmembrane component of desmosomes, the multiprotein complexes involved in cell adhesion, organization of the cytoskeleton, cell sorting and cell signaling. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional protein. This gene is located in a cluster of desmosomal cadherin genes on chromosome 18. [provided by RefSeq, Jan 2016]