

Product datasheet for MC223399

Dsg1b (NM_181682) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dsg1b (NM_181682) Mouse Untagged Clone
Tag: Tag Free
Symbol: Dsg1b
Synonyms: Dsg; dsg1-beta; Dsg5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223399 representing NM_181682
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACTGGCACTCCTTCAGGATAGCTGCCCTGCTGCTCACTTCCCTGGTGGTGGCTTGAAGTTAACAGTG
 AATTTCAAATCCAGGTAAGAGATCATAACGCCAAAAATGGTACCATCAAGTGGCACTCCATCAGAAGGCA
 GAAAAGAGAATGGATCAAGTTTGTGCTGCAGCCTGTCGCGAAGGTGAAGACAACCTCAAAGAGAAACCAATT
 GCCAAAATTCATTCAGATTGTGCTGCAACCAACCAGTAACATACCGCATCTCGGAGTGGGAATTGACC
 AGCCACCTTATGGAATCTTCATTATTAACCAAAAACTGGTGAATCAATATAACATCCATTGTTGATCG
 TGAAGTCAACCCCTTTTTTATTACTACTGCCGAGCACTGAATGCACAAGGTCAAGACTTGGAGAATCCA
 CTGGAGCTTAGAGTCAGAGTGATGGATATAAACGACAACCCTCTGTGTTTTCAATGACTACATTTCTAG
 GACAAATAGAAGAAAATCTAATGCAACACACTGGTAAATGAACTCAATGCTACCGATGCCGATGAGCC
 AAATAACTTGAAGTCAATGATAGCCTTCAAGATCATAAGACAGGAGCCTTCTGACTCACCATGTTTCATC
 ATCAACAGGAAAACCTGGAGAAATCAGAACAATGAATACTTTCTAGACAGAGAGCAATATAGCCAGTATT
 CCCTTGTGGTGAGAGGCTCAGACCGGGACGGTGGAGCAGACGGCATGTCTGCAGAGCGGATGCAGCAT
 CACCATCCTGGATGCAATGACAACATCCCATACTTGGAGCAGTCATCTTATGACATCGAAATTGAAGAA
 AATGCACTTCACTCACAGCTAGTGCAGATCAGAGTCATTGATTTGGATGAAGAATTCTCAGACAACCTGGA
 AGGCAATCATTTTCTTTATCTCTGGAATGAGGAAAATGGTTTGAATAGAAATGAATGAAAGAACAAA
 TGTAGGAATCTGAAGTTGTCAAGCCCTAGATTATGAAGCCATGAAGAATCTACAGCTTAGTATTGGT
 GTTCGAAATGTAGCTGAATCCACCAGTCAATATTTCTCAATACAGACTCACAGCAACTATGGTCACTG
 TGAAGTGTAAATGTCATCGAGGGCTCTGTGTTCCGTCAGGTTCAAAGACATTTGTAGTAGACAGTAG
 AATGGAAGCAAATCACAGAGTGGGAGAGTTTGTAGCTACAGACCTGGACACAGGTCGAGCTTCCACAAT
 GTTAGATATGAAATGGGAAATAACCCAGAGAACCTGCTGGTTGTTGACTCAAGAACAGGCATAATAACGT
 TAAGAAACAGAGTTACTATGGAACAATACCAAAGGCTTAAATGGGGAATATAAAGGAACAGTGTATCAAT
 AGATGATTCCTTCAGAGGACCTGCACGGGGACAATCGTCATTGAACTTAGTGGCACTGGCTGGGTACCA
 GGTTGAGATGGTGGTGGCAGTCCAGTGGCAGTGGTGGTAATCGTGACCCAGTGACTAATGGATATCAAG



[View online »](#)

GCACTTCTACTGTGGGCCCGCAACGCGTCACAGGATCAGGGGGAGTCACTTCAAGTGGTGGAGGCAGTGG
 AGTTAAACAACACTCCCGGTAGGCAAAATCCCTTAGACGAACCGGAACCCGAGCCCTTTGACATCACAGAA
 GACAACGTTCACTTCGGTCTGCAGGCATCGGGCTGCTCATCATGGGGTTCCTAGTCTTAGGATTGGTTC
 CATTCTGTGCTGATCTGCTGTGATTGTGGAGGGGCCCTGGTGGTGGAGCTGGATTTGAACCTGTTCCAGA
 ATGTTCTGATGGAGCAATTCACACGTGGGCCATAGAAGGGCCACAGCCTGAACCCACGATGGGATAACC
 ACCATCTGTGTGCCACAAATGCCACCTGGTAATGCCAATGTTATAGAATATATTGACAACCTCAGGAGTTT
 ACACAAATGAATATTGTGGCAGAGAAATGCAAGATCTGGGAGGAGGAGAAAGAACCACAGGATTTGAAC
 AATGGATGGAGTTAAAACATCAGCTGCACCTGAGATATGCCAAGAATATTCAGGAACATTAAGAAGAAAT
 TCAATGAGAGAATGTAGAGATGGGGTCTCAACATGAATTTTCATGGAAAAGTTACTTCTGCCAGAAAGCCT
 ATGCTTATGCGGATGAAGATGAAGGACGTCCATCCAATGACTGTTTGGCTCATCTATGACATCGAAGGTGT
 GGGTCCCCTGCAGGCTCCGTGGGCTGTGTCAGTTTCATTGGAGAAGATCTAGATGAGAGCTTCTGGAT
 ACCTTGGGGCCCAAGTTAAGAAGTTGGCAGATATCAGCCTGGGAAAAGAAATAGACTCATACCCAGATC
 CTGATTCTTCTGGCCTCCTCAGAGCACTGAACCGATGTGTCCCAGAGTACAGAGCCCTGGGTAGTGG
 ATATCCACCTATATCCCACATTTTGGTACGACCACAGTAATTTCTGAGAATGCCTACCCTTCTGGCCCT
 GGAGTACAGCATCCTTTGCCAATTCCTGATCCTCTGGGCTATGGCAATGCACTGTAAGGGAGTCTATG
 CCACCTCTGGCACTCTGAAGCCCTCTGTCCACTTTCATGATAACCCAGCAGGCTTCAAATGTGGTGGTGC
 AGAGAGGGTGGTGGGCCCGTCCCTGGTGTGATTTGCATGGCATGTTAGAGATACCTGACTTAAGAGAT
 GGAACAAATGTTATAGTGACAGAAAGGGTAATAGCACCAGGCTCAAGTCTACCCACTTCTCTGACCATT
 CTAACCCCTCGAGAGACCTCAAATGTAGTTGTGACAGAAAGAGTATCAACCAACCTCTGGCATGATAGG
 CAATCTGAGCATGACCCTGAGTTATCAAGTGCCCAAAACGTGATTGTGACAGAGAGAGTGGTTTCTGGT
 GCTGGTATGAGTGGAAATGCTGGCACTGCCGGTTAGGTGGGGTGGAGGCATAGGCAGCAGTGGCCTTG
 TTAGCACCACCATGGGTGCTGCTGGCACTGGGCTGAATATGGGAGGAACAGCCACTATTGGCCACATGAG
 GAGTTCCTCTGACCATCACTTTAGTCAGACAATTGGATCTGCCTCCCCAACATGGCTCGAAGTCGAATC
 ACAAAGTACAGTACGGTACAGTATAGCAAGTAG

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-RsrII

ACCN:

NM_181682

Insert Size:

3183 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.

RefSeq:

[NM_181682.2](#), [NP_859010.1](#)

RefSeq Size:

5952 bp

RefSeq ORF: 3183 bp

Locus ID: 225256

UniProt ID: [Q7TSF1](#)

Cytogenetics: 18 11.32 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]