

Product datasheet for MC223317

Dsg4 (NM_181564) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dsg4 (NM_181564) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dsg4
Synonyms:	CDHF13; I; lah
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223317 representing NM_181564 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGACTGGCTTCTCTTCAGAAATATTTGCCTTCTGATCTTATTTATGGTGGTACTGGGAGTAAACAGTG
AATTTATCGTTGAGGTAAAAGAATTAGACATTGAAAATGGCACAACAACCTGGCAGACTGTCAGAAGACA
AAAGCGGGAGTGGATCAAGTTTGGCGCAGCCTGTCCGGAGGGCGAGGACAACCTCAAGAGGAATCCAATT
GCCAGAATTAGATCAGACTGTGAAGTAAGCCAGAGGATAACCTATCGAATCTCTGGAGCGGGGATTGATC
GGCCACCTTACGGAGTGTTCAACATCAACCTCGGACTGGAGAAAATCAATATTACCTCAGTGGTGGACAG
AGAGATAACCCCACTGTTCTGATCCATTGCCGAGCTCTCAACTCCCGAGGAGAAGACTGGAGAGACCA
CTGGAGCTCAGAGTAAAAGTCAATGGATGTGAACGACAACCCCACTCTCACTCAGAATGTGTACACAG
CCAACATTGAAGAGAACAGCGACGCCAATGCACTGGTGGTAAAGTTAAGTGCCACAGATGCAGATGAAGA
CAATCACTTGAATTCTAAAATTCATACAAGATCATCTCCAGGAGCCTGCTGGTGCACCCATGTTTCATG
GTGAACAGGTACACTGGAGAAGTCCGCACGATGTCCAATTTCTTGACAGAGGCAACACAGTATGTACA
ATCTACTGGTGGGGCTCAGATCGGGATGGGCCACAGATGGGCTGCTCTGAATGTGACTGCAGAAT
CAAGATTTTGGATGTCAATGATAATTTCCCATCTTGGAGAAGACCTCATCTCAGCAAGTATTGAAGAA
AATTGTTTGGAGCTCAGAACTGATACGACTACAAGCAATCGATCTGGATGAAGAAGGCACTGATAACTGGT
TGGCACAATACTCCATCTCTGGCAATGATGGAACTGGTTTAAAATCCAAACAGATCCAAAACCAA
TGAAGGCATTTTAAAAGTGGTCAAGATGCTGGATTATGAACAAGAACCTAACATTTACCTCAGCATTGGA
GTTAGAAACCAAGCTGAGTTTCACTCAGTAGCATCTCAATTCAAAATGCACTCTACCCCTGTGAGAA
TCCAGGTTGTTAACGTGCGGGAAGGACCGACCTTAGCCCAAGTCCATGACATTTAGTCTACGAGGAGG
AATGAGAGGAGCCTCCTTAATGAACTATGTGCTTGGCACATACACAGCCATAGATATGGACACAGGAAAC
CCTGCAACCAATGTCAGGTATGTCATAGGGCATGATGCAGGCAGCTGGTTAAAAGTTGATTCAAGGACTG
GTGAGATACAGTTTTCTAGGGAATTTGACATGAAGTCAAAATATATTACGGATGGGATATATGCAGCACA
GATCCTGGCTATAGATGATGGCTCTGGGAGAACAGCTACAGGAACCATATGCATTGAGATTCTGATGCC
AACGATTAAGTGTCCCGTCATTTATGCTGAAAGCAGGAGTGTCTGCACCCATGCTTCGCTGTCCAGGATCT



ATGTCAACGATCATTCTTTCGGGTCTCCCTTTACCTTTTGTGTAGTTGATGAGTACCAGACATAGCTAA
TATATGGGATATCAGGTCCATCAATGGAACCTCTGCAATCCTTATGACTGAGCAGACTTTGTCTCCAGGA
CCCTACCAATCCCCATCCTCGTGAAGGACAGTACAACCGAGCATGTGAATTGCCACAGACAGTGTCTGT
TAGATGCCTGCTTTTGTGATGACCACCATGTGTGCTTGCCTCCAGTACCACGGGCATCTACACTGGAGA
CATCACCTGGGTGACTGATGACATGTATGGGACTGTCACTGATGATGGAGTTAGGCAGTCAAACGTCGGA
CTTGGCCCAGCAGGGATTGGCATGATTATTTGGGGCTTGTCTACTGCTTTGTCACCCCTTTACTGC
TCATGTGTGCTGCAAGCGAAGACAGCCAGAAGGCCTGGGGACAAGGTTTGCCCTGTGCCTGAGGGAGG
CGAAGGAGTGATGCAGCCCTGGAGAATAGAGGGGCTCATCCAGAAGACAGGGATGTATCAATATTTGT
GTACCCATGACAGCCTCTAATACCCAAGATCGCATTGATTCATCTGAAATCTACACCAATACTTACGCTG
GTGGAGGAACAGTGGAAGGGGGCGTGTCAAGAGTGGAGCTCAATACAGGTGTTGGGACAGCCACAGGCAT
GGTGGCTGCAGGAGCAACAGGGACCCTAAGGAAGAGGAGTTCAACTATAGGGACTCTCGGGAATACCAA
GACTGTCGATGAACATGGCCTTCTGGACAGCTACTTCTCCGAGAAAGCGTATGCATATGCAGATGAAG
ATGAAGGCCGACCAGCCAATGACTGCCTGCTATTTATGATCACGAAGGAGCTGGGTACCCGTGGGCTC
CATTGGCTGCTGCAGTTGGATTGTGGATGACTTAGACGAAAGCTACATAGAGACTTTGGATCCAAAGTTC
AGGACTTAGCTGAAATCTGCTTGGACACAGAGATTGAACCTTCCCTTACACCAGGCCTGATACCAA
TCAGCACTGACCTCCCTCTGCTGGGGCCTAATTACTTTGTCAATGAGTCTTCAGGAATGACTCTCTCAGA
GGCTGAATCCAAGCAGAAATGGCAGCAGCCTCTGAACCCATGATTCATGGGGACATCATAGTACTGAG
ACCTACTACTTCTGACCCATGTGTCCAAACCCACAACGATTGTCTTTGACTCTCAGATTCCACCAAACG
TAGTCGTGACCGAAACCGTAATGGCACCTGTCTACGATGTTCAAGGGAACATTTGTGTGCCTGCTGAGAT
AGCCAACACACAATGTATACTATGCTGAGAGAGTGGTGGCTAGCCCTGGTATACCTGACATGGGCAAC
AGTAACATTAGTGATGCATGTATAGGACCAGTGTGAGCGCGGTATTTTGGTAGGGCCAGAAATCAAG
TGACACAAATGATGAGCCAGACATTACATAAGCCAAACACAGGCTCCACCTCCCAATGACGTCTCA
ACACCGAGTAACCAGATACAGCAATATGCACTACTCCCGACAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_181564

Insert Size:

3126 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_181564.2](#), [NP_853543.1](#)

RefSeq Size:

3478 bp

RefSeq ORF:

3126 bp

Locus ID: 16769

UniProt ID: [Q7TMD7](#)

Cytogenetics: 18 11.35 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. This gene is expressed in the suprabasal epidermis and hair follicle. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional protein. Certain mutations in this gene are responsible for the lanceolate hair phenotype in mice. This gene is located in a cluster of desmosomal cadherin genes on chromosome 18. [provided by RefSeq, Feb 2016]