

## Product datasheet for **RR209167**

### Dscam (NM\_133587) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dscam (NM\_133587) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Dscam  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR209167 representing NM\_133587  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGTGGACTACTGGCTCTCTCCTTGTTCAGAGCTTCGCGAATGTTTTAGTGAAGAGCCCCACTCCAGCC  
 TCTACTTTGTCAATGCATCGCTGCAAGAGGTAGTGTTCGCAAGCACGTCGGGACCCTGGTGCCCTGCC  
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CTCTCAGATGTGCAGAAAGAAGTTGACGAGGGAGAGTACACATGTAACTGCTGGTGCAGCCACAGCTCT  
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**Protein Sequence:**

>RR209167 representing NM\_133587  
 Red=Cloning site Green=Tags(s)

MWILALSLFQSFANVFSEEPHSSLYFVNASLQEVVFASTSGTLVPCPAAGIPPVTLRWYLATGEEIYDVP  
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 NSARL FVSDPANSAPSILDGFDHRKAMAGQRVELPCKALGHPEPDYRWLKDNPLELSGRFQKTVTGLLI  
 ENSRPSDSGSYVCEVSNRYGTAKVIGRLYVKQPLKATISPRKVKSSVGSQVLSCSVGTGNEQDQELSWYRN  
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 GVVLYQARINVRGPASIRPMKNITAIAGRDYIHCVRVIGYPYYSIKWYKNANLLPFNHRQVAFENNGTLK  
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 LDNLNKFQYGLVVQACNRAGTGPSSQEIITTTLEDVPSYPPEVQAIATSPESISISWSTLSKEALNGI  
 LQGFVRIYWANLIDGELGEIKNVTTTQPSLELDGLEKYTNYSIQVLAFTAGDGVRSQIFTRTKEDVPG  
 PPAGVKAASASMVVSWLPLKLNIGIRKYTVFCSHPYPTVISEFEASPDVSYRIPNL SRNRQYSVW  
 VVAVTSAGRGNSEIITVEPLAKAPARILTFSGTVTPWMDIVLPCKAVGDPSPAVKWMKDSNGTPSLV  
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 PGDNGGSSIRGYILQYSEDNSEQWGSFPI SPERSYRLENL KCGTWYKFTLTAQNGVGPGRISEIIEAKT  
 LGKEPQFSKEQELFASINTTRVRLNLI GWNDGGCPITSF TLEYRPF GTTVWTTAQR TSLSKSYILYDLQE  
 ATWYELQMRVCNSAGCAEKQANFATLNYDGTIPPLIKSVVQSEGLTTNEGLKILVTISCILVGVLLL  
 VLLL VVRRRRRREQLRKL RDAKSLAEMLSKNTRTSDTL SKQQQLRMHIDIPRAQLLIEERDTMETIDD  
 RSTVLLTDADFGEAAKQKSLTVTHTVHYQSVSQATGPLVDVSDARPGTNPTRRNKAGPTARNRYASQW  
 TLNRPHPTISAHTLTTDWRLPTPRATGSDVSKESDSYSVSPSQDTRARSSMVSTESASSTYEELARAYEH  
 AKMEEQLRHAKFTITECFISDTSSEQLTAGTNEYTDSLTSSTPSESGICRF TASP KPKQDGGRRVNMVAVP  
 KAHRPGDLIHLPPYL RMDFLLRGAPGTSRDL SLGQACLEPQKSR TLKRPTVLEPTPMEASSTSTREG  
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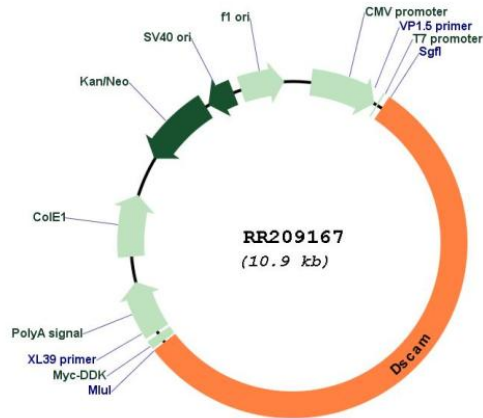
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM\_133587

ORF Size:

6039 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_133587.1, NP_598271.1</u>
<b>RefSeq Size:</b>	6656 bp
<b>RefSeq ORF:</b>	6042 bp
<b>Locus ID:</b>	171119
<b>UniProt ID:</b>	<u>Q8VHZ8</u>
<b>Cytogenetics:</b>	11q11
<b>MW:</b>	222.3 kDa
<b>Gene Summary:</b>	mouse homolog is a neural cell adhesion molecule; plays a role in axon guidance [RGD, Feb 2006]