

## Product datasheet for **RR208718**

### Dstn (NM\_001033666) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Dstn (NM\_001033666) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Dstn  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >RR208718 representing NM\_001033666  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCTCAGGAGTTCAAGTTCAGATGAAGTATGTCGTATTTTCTACGACATGAAAGTTCGAAATGCT  
 CCACACCTGAAGAAATCAAGAAAAGAAAGAGGCTGTCATTTTTTGTCTCAGTGCAGACAAAAAGTGCAT  
 AGTCGTGAAGAAGGCAAAGAGATCTTGGTTGGAGATGTCGGCGTTACCATAACTGATCCTTTCAAGCAT  
 TTTGTGGGAATGCTTCTGAAAAAGATTGTCGCTACGCTTTGTATGATGCCAGCTTTGAAACCAAGGAGT  
 CCAGAAAAGAAGAGCTCATGTTCTTCTTGTGGCACCAGAACAAGCACCTCTGAAAAGTAAAATGATCTA  
 TGCAAGCTCGAAGGACGCCATCAAGAAGAAATTTCCAGGTATAAAGCACGAGTATCAAGCAAATGGGCCA  
 GAAGACCTCAATCGGACTAGTATTGCTGAAAAGCTAGGTGGCTCCTTAATTGTAGCGTTCGAAGGATCCC  
 CTGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208718 representing NM\_001033666  
 Red=Cloning site Green=Tags(s)

MASGVQVADEVCRIFYDMKVRKSTPEEIKKRKKAIVIFCLSADKKCIVVEEGKEILVGDVGVITIDPFKH  
 FVGMLPEKDCRYALYDASFETKESRKEELMFFLWAPEQAPLKSMMIYASSKDAIKKKFPGIKHEYQANGP  
 EDLNRTSIAEKLGGSLIVAFEGSPV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/ja3200\\_a02.zip](https://cdn.origene.com/chromatograms/ja3200_a02.zip)

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM\_001033666

ORF Size: 495 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

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).

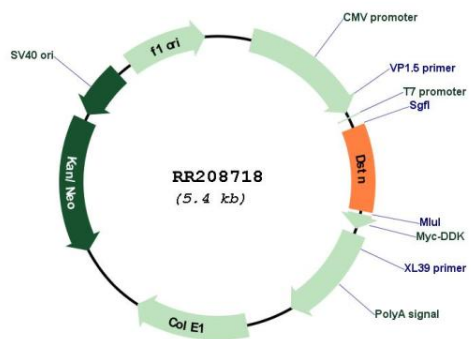
Reconstitution Method:

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\\_001033666.1](#), [NP\\_001028838.1](#)

**RefSeq Size:** 1692 bp  
**RefSeq ORF:** 498 bp  
**Locus ID:** 502674  
**UniProt ID:** [Q7M0E3](#)  
**Cytogenetics:** 3q41  
**MW:** 18.5 kDa  
**Gene Summary:** Actin-depolymerizing protein. Severs actin filaments (F-actin) and binds to actin monomers (G-actin). Acts in a pH-independent manner.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RR208718