

## Product datasheet for **MR209843**

### Dusp16 (BC059232) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dusp16 (BC059232) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dusp16
Synonyms:	MKP-7, MKP7, Mkp7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR209843 representing BC059232  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCCATGAGATGATTGGAACCTCAAATTGTTACTGAGAGCTTGGTGGCTCTGCTGAAAAGTGGAAACGG  
 AAAAAAGTCTGCTAATTGATAGCCGACCAATTTGTGGAATACAATACGTCTCACATTTTGGAGCCATTAA  
 TATCAACTGCTCCAAACTGATGAAGCGAAGGTTGCAACAGGACAAAGTATTAATTACAGAACTTATCCAA  
 CATTCTGCAAAGCATAAGGTTGACATTGACTGCAATCAGAAGGTGGTAGTTTATGATCAAAGTTCCCAAG  
 ATGTTGGTTCTCTGTCGTCAGACTGCTTCTCACTGTACTTCTGGGTAAGTGGAGAGGAGCTTCAACTC  
 TGTCACCTGCTGCAGGTGGCTTTGCTGAGTTCTCTCGTTGTTCCCTGGCCTCTGTGAAGGAAAGTCC  
 ACTCTAGTCCCTACCTGCATATCTCAGCCTTGCTTACCTGTTGCGAACATTGGGCCAACTCGAATCTTC  
 CCAATCTCTATCTTGGCTGCCAGCGAGATGCTCAACAAGGACCTGATGCAACAGAATGGGATTGGCTA  
 TGTGTTAAATGCCAGCAATACCTGTCCAAGCCTGACTTCATACCTGAATCTCACTTCTCGGAGTGCCT  
 GTGAATGACAGCTTTTGTGAGAAAATCCTACCATGGTTGGACAAGTCTGTGGATTTCAATTGAGAAAGCAA  
 AAGCCTCCAATGGCTGTGTGCTTATCCACTGCTTAGCTGGGATCTCTCGCTCCGCCACTATTGCTATTGC  
 CTACATCATGAAGAGGATGGACATGTCTTAGATGAGGCTTACAGATTTGTGAAAGAAAAAGACCTACT  
 ATATCTCCGAATTTTAAATTTATGGGCCAACTCATGGACTATGAGAAGACGATTAATAACAGACTGGAA  
 TGTCAGGGCCAAAGAGCAAACCTGAAGCTGCTGCACCTAGACAAACCCAGTGAGCCCGTGCCTGCAGCCTC  
 AGAGGGCGGATGGAAGAGTGCAGTGTCTCTCAGTCCACCTGTGCCAACTCGACCTCGGAGGCATCAGGG  
 CAAAGGCTTGTGCATCCTGCAAGTGTGCCAGCTTACAGCCGTCCTTAGAGGACAGTCCGCTGGTAC  
 AGGCGCTCAGTGGGCTCCAGCTGTCTCAGAGAAGCTGGAAGACAGCACTAAGCTCAAGCGTTCTCTCTC  
 TCTCGATACAAATCTGTTTCATATTCAGCCAGTATGGCCGCGTCCCTACACGGCTTCTCGTCAGAGGAG  
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 AGGAGGTATCAGAACAGAGTCCAGAGACCAGCCGGATAAGGAGGAGGCCACATCCCCAAGCAGCCCCA  
 ACCTCCCAGGCCTTCTGAGAGCCAGGTCACACGCTTGCAGTCAAGTGAAGCCGAGTAGTGGGTCCACC  
 CAGAGGCCCTTCTCTGCCACTGCATCGGAGCGGGAGTGTAGAGGACAATTACCATACCAACTTCTTTT  
 TTGGCCTTCCACCAGCCAGCAACCTCACCAAGTCTGCAGGGCTTGGCCTCAAGGGCTGGCACTCAGA  
 TATTCTGGCTCCCAGTCTCTGCCCCCTCCCTGACCAGCAGTTGGATTTTGTACGGAGCCTTCACAC  
 TTGTACTCTGCTCAGCCATCTATGGAGGCAACAGCAGTTACTCTGCCTACAGCTGTGGCCAGCTGCCCA  
 CTTGCAGTGACCAAATCTATTCTGTTTCGTAGGCGGCAGAAAGCCTACTGACAGAGCTGACTCGAGGCGGAG  
 CTGGCATGAAGAGAGCCCTTTGAAAAGCAGTTTAAACGAGAAAGCTGCCAAATGGAATTTGGAGAGAGC  
 ATTATGTCGGAGAACAGGTCAGGGGAGGAGCTGGGCAAGGTGGGCAGCCAGTCCAGCTTCTCCGGCAGCA  
 TGGAGATCATCGAGGTCTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR209843 representing BC059232  
 Red=Cloning site Green=Tags(s)

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MAHEMIGTQIVTESLVALLESGTEKVLLIDSRPFVEYNTSHILEAININCSKLMKRRLQQDKVLITELIQ
HSAKHKVDIDCNQKVVVYDQSSQDVGSLSSDCFLTVLLGKLSFNFSVHLLAGGFAEFSRCFPGLCGKS
TLVPTCISQPCLPVANIGPTRILPNLYLGCQRDVLNKDLMQQNGIGYVLNASNTPKPDFIPESHFLRVP
VNDSFCEKILPWLDKSVDFIEKAKASNGCVLIHCLAGISRSATIAIAYIMKRMDSLDEAYRFVKEKRPT
ISPNTFNGQLMDYEKTINNQTGMSGPKSKLKLHLDPSEPVPAASEGGWKSALSLSPPCANSTSEASG
QRLVHPASVPSLQPSLLEDSPLVQALSGLQLSSEKLEDSTKLKRSFLDIKSVSYASMAASLHGFSSEE
ALDYKPSATLDGTNKLQCFSPVQEVSEQSPETSPDKEEAHIPKQPQPPRPSESQVTRLHVRTGSSGST
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LYASAIYGGNSSYSAYSCGQLPTCSAQIYSVRRRQKPTDRADSRRSWHEESPFEKQFKRRSCQMEFGES
IMSENRSREELGKVGVSQSSFSGSMEIIEVS
  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9043\\_e05.zip](https://cdn.origene.com/chromatograms/mm9043_e05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC059232

**ORF Size:** 1980 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.

**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:** [BC059232.1](#)

**RefSeq Size:** 4943 bp

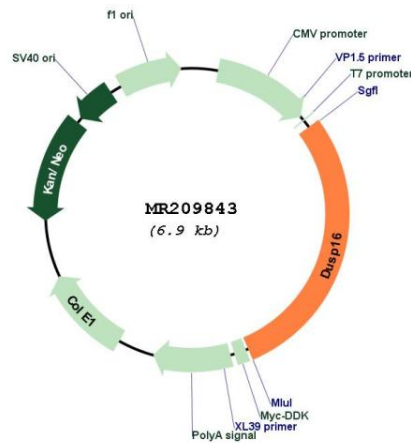
**RefSeq ORF:** 1982 bp

**Locus ID:** 70686

**Cytogenetics:** 6 65.77 cM

**MW:** 181.2 kDa

**Product images:**



Circular map for MR209843