

Product datasheet for **MG209838**

Dusp16 (BC057321) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dusp16 (BC057321) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dusp16
Synonyms:	MKP-7, MKP7, Mkpm
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209838 representing BC057321
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCATGAGATGATTGGAACCTCAAATTGTTACTGAGAGCTTGGTGGCTCTGCTGAAAAGTGGAAACGG
 AAAAAAGTCTGCTAATTGATAGCCGACCAATTTGTGGAATACAATACGTCTCACATTTTGGAAAGCCATTAA
 TATCAACTGCTCCAAACTGATGAAGCGAAGGTTGCAACAGGACAAAGTATTAATTACAGAACTTATCCAA
 CATTCTGCAAAGCATAAGGTTGACATTGACTGCAATCAGAAGGTGGTAGTTTATGATCAAAGTTCCCAAG
 ATGTTGGTTCTCTGTCGTCAGACTGCTTCTCACTGTACTTCTGGGTAAGTGGAGAGGAGCTTCAACTC
 TGTCCACCTGCTGCAGGTGGCTTTGCTGAGTTCTCTCGTTGTTCCCTGGCCTCTGTGAAGGAAAGTCC
 ACTCTAGTCCCTACCTGCATATCTCAGCCTTGCTTACCTGTTGCGAACATTGGGCCAACTCGAATTCCTC
 CCAATCTCTATCTTGGCTGCCAGCGAGATGCTCAACAAGGACCTGATGCAACAGAATGGGATTGGCTA
 TGTGTTAAATGCCAGCAATACCTGTCCAAGCCTGACTTCATACCTGAATCTCACTTCTCGGAGTGCCT
 GTGAATGACAGCTTTTGTGAGAAAATCCTACCATGGTTGGACAAGTCTGTGGATTTCAATTGAGAAAGCAA
 AAGCCTCCAATGGCTGTGTGCTTATCCACTGCTTAGCTGGGATCTCTCGCTCCGCCACTATTGCTATTGC
 CTACATCATGAAGAGGATGGACATGTCTTAGATGAGGCTTACAGATTTGTGAAAGAAAAAGACCTACT
 ATATCTCCGAATTTTAAATTTTATGGGCCAACTCATGGACTATGAGAAGACGATTAATAACAGACTGGAA
 TGTGAGGGCCAAAGAGCAAACCTGAAGCTGCTGCACCTAGACAAACCCAGTGAGCCCGTGCCTGCAGCCTC
 AGAGGGCGGATGGAAGAGTGCAGTGTCTCTCAGTCCACCTGTGCCAACTCGACCTCGGAGGCATCAGGG
 CAAAGGCTTGTGCATCCTGCAAGTGTGCCAGCTTACAGCCGTCCTCTAGAGGACAGTCCGCTGGTAC
 AGGCGCTCAGTGGGCTCCAGCTGTCTCAGAGAAGCTGGAAGACAGCACTAAGCTCAAGCGTTCTCTCTC
 TCTCGATACAAATCTGTTTCATATTCAGCCAGTATGGCCGCGTCCCTACACGGCTTCTCGTCAGAGGAG
 GCTTTAGACTACTACAAACCTTCTGCCACACTGGATGGGACCAACAAGCTCTGCCAGTTCTCCCCCGTTC
 AGGAGGTATCAGAACAGAGTCCAGAGACCAGCCGGATAAGGAGGAGGCCACATCCCAAGCAGCCCA
 ACCTCCCAGGCCTTCTGAGAGCCAGGTCACACGCTTGCAGTCTGAGAACCGGCAGTAGTGGGTCCACC
 CAGAGGCCCTTCTCTGCCACTGCATCGGAGCGGGAGTGTAGAGGACAATTACCATACCAACTTCTTTT
 TTGGCCTTCCACCAGCCAGCAACCTCACCAAGTCTGCAGGGCTTGGCCTCAAGGGCTGGCACTCAGA
 TATTCTGGCTCCCAGTCTCTGCCCTCCCTGACCAGCAGTTGGATTTTGTACGGAGCCTTCACAC
 TTGTACTCTGCTCAGCCATCTATGGAGGCAACAGCAGTTACTCTGCCTACAGCTGTGGCCAGCTGCCCA
 CTTGCAGTGACCAATCTATTCTGTTCTGAGGCGCAGAACCTACTGACAGAGCTGACTCGAGGCGGAG
 CTGGCATGAAGAGAGCCCTTTGAAAAGCAGTTTAAACGAGAGCTGCCAAATGGAATTTGGAGAGAGC
 ATTATGTCGGAGAACAGGTCAGGGGAGGAGCTGGGCAAGGTGGGCAGCCAGTCCAGCTTCTCCGGCAGCA
 TGGAGATCATCGAGGTCTCT

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG209838 representing BC057321
 Red=Cloning site Green=Tags(s)

MAHEMIGTQIVTESLVALLESGTEKVLIDSRPFVEYNTSHILEAININCSKLMKRRLQQDKVLITELIQ
 HSAKHKVDIDCNQKVVVYDQSSQDVGSLSSDCFLTVLLGKLSFNHLLAGGFAEFSRCFPGLCEGKS
 TLVPTCISQPCLPVANIGPTRILPNLYLGCQRDVLNKDLMQONGIGYVLNASNTCPKPDFIPESHFLRVP
 VNDSFCEKILPWLDKSVDFIEKAKASNGCVLIHCLAGISRSATIAIAYIMKRMDSLDEAYRFVKEKRPT
 ISPNFNFMGQLMDYEKTINNQTGMMSGPKSKLKLHLDPSEVPVPAASEGGWKSALSLSPPCANSTSEASG
 QRLVHPASVPSLQPSLLEDSPVQALSGLQLSSEKLEDSTKLKRSFLDIKSVSYASMAASLHGFSSSE
 ALDYYKPSATLDGKNKLCQFSPVQEVSEQSPETSPDKEEAHIPKQPQPPRPSESQVTRLHVRTGSSGST
 QRPFFSPLHRSGSVEDNYHTNLFGLSTSQQHLTKSAGLGLKGWHDILAPQSSAPSLTSSWYFATEPSH
 LYSASAIYGGNSSYSAYSCGQLPTCSDQIYSVRRRQKPTDRADSRRSWHEESPFEKQFKRRSCQMEFGES
 IMSENRSREELGKVGSSQSSFGSMEIEVS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC057321

ORF Size: 1982 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: [BC057321](#), [AAH57321](#)

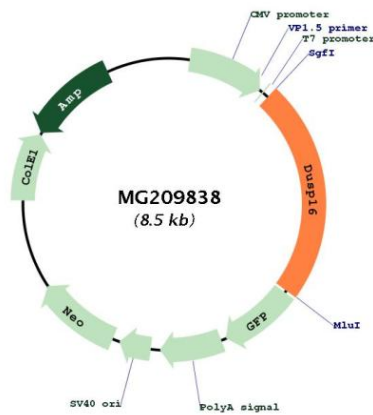
RefSeq Size: 4975 bp

RefSeq ORF: 1982 bp

Locus ID: 70686

Cytogenetics: 6 65.77 cM

Product images:



Circular map for MG209838