

## Product datasheet for **MR207868**

### Dym (BC018220) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dym (BC018220) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dym
Synonyms:	MGC18957
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR207868 representing BC018220  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGTTGTCTTCCTTCTGCCAACTCTCCACAAGGAGTTCTGCGACAGAGCATCAGTACAAGTACC  
 TGATGCAAGGCCATGTCTTCCCTACACAGTAACTTGTGAAAACCTTATTGTATAACTTTATCAGACA  
 AGAAAAGCCACCTCCGCCCGGAACCCATGTCTTCCCTCAGCAGTCGGATGGGGGAGGACTGCTGTATGGA  
 CTGGCATCAGGAGTAGCAACTGGTCTCTGGACTGTCTTACGCTAGGCGGGGAGGAGCAGCAAGCAGCTG  
 CGTCCCCAGAACTTACATCTCTCTGGCCAACCAGAGTCTCCTGCTGCTGCTGGTGTGAACTGAC  
 GGATGCCCCAGACATACCAACCCCTACAGGCAAGCTGTCTCGTCATTTAAGAACACGCAAGACAGCAGT  
 CCGTCCCATCATCAATTCCTCATACTTCCAGATTAACTTAACAGTTGTACACAGCCCTGTGTGAGC  
 AGCAGAGCTGTGATCAGGCAACGCTGCTCCTGTACAGCTGCTCCACCAGAACAGCAATGTCAGGACGTA  
 CGTGTGGCCCGACGGATATGGAAAATCTTGTTTACCAATTCTTGAGATTTTGTATCATGTTGAGGAA  
 AGAAACTCACACCATGTCTATATGGCCCTTATAATCCTGTGATCCTTACAGAAGACGATGGCTTCAATC  
 GGTCCATTCATGAAGTGATTAAGAAACATTACTTGGTATTCAGAAAGAGTCTTAACTGAGATTTCCCT  
 GGGGAGCCTCCTAATTCTGGTGGTAATAAGAACCATCCAGTACAATATGACCAGGACTCGAGACAAGTAC  
 CTGCACACAAACTGCCTGGCGGCTTAGCAAACATGTCAGCGCAGTTCGGCTCCCTCCACCAGTACGCTG  
 CCCAGAGGATCATCAGTTTGTCTTTTCTGCTGTCTAAAAAACACAACAAGGCTCTGGAGCAAGCCACGAA  
 GTCCTTGAGAGGTCCTGAGCTCCAGCGATGTCCCTCTCCAGATTATGCACAGGACCTCAGTGTCAAT  
 GAAGAAGTGATTCGGATGATGCTGGAGATCATCAACTCCTGCCTGACAAATCTCTTACCACAACCCAA  
 ACTTGGTGTACGCTTGTCTTACAAACGGGACCTCTTGGAGCAATCCGAACTCATCCCTCATTCCAGGA  
 CATAATGCAAAAACATTGACCTGGTGATCTCCTTCTTAGCTCAAGACTTCTACAAGCTGGAGCTGAGCTG  
 TCGGTGAAAGGGTCTTGAAATCATTAAACAAGGGTGTGGCGCTGCCCAAAGACAGACTAAAGAAGT  
 TTCCAGAACTGAAGTTCAAATACGTGGAGGAAGAGCAGCCTGAGGAGTCTTATCCCGTACGTCTGGTC  
 CCTGGTCTACAACCTAGCGGTGGCTTGTACTGGAACCCGAGGACATCCAGCTGTTTGCCATGGACTCG  
 GAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207868 representing BC018220  
 Red=Cloning site Green=Tags(s)

MVFLSCQLFHKEVLRQISHKYLMQGPCLPYTSKLVKTL LYNFIRQEKPPPPGTHVFPQQSDGGGLLYG  
 LASGVATGLWTVFTLGGAGSKAAASPELTSPLANQSLLLLLVLVNLTDAPDIPNPYRQAVSSFKNTQDSS  
 PFPSSIPHTFQINFNSLYTALCEQQTSDQATLLLYTLLHQNSNVRTYVLRARTDMENLVLPILILEILYHVEE  
 RNSHHVYMALIILLILTEDDGFNRSIHEVILRNITWYSERVLTEISLGSLLILVVIRTIQNMTRTRDKY  
 LHTNCLAAANMSAQFRSLHQYAAQRIISLFSLLSKKHNVLEQATKSLRGPLSSSDVPLPDYAQDL SVI  
 EEVIRMMLEIINSCLTNSLHHPNLYVALLYKRDLFEQFRTHPSFQDIMQIDLVISFFSSRLLQAGAE  
 SVERVLEIIKQGVVALPKDRLKFKPELKFYVEEEQPEEFFIPYVWSLVYNSAVGLYWNQDIQLFAMDS  
 D

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

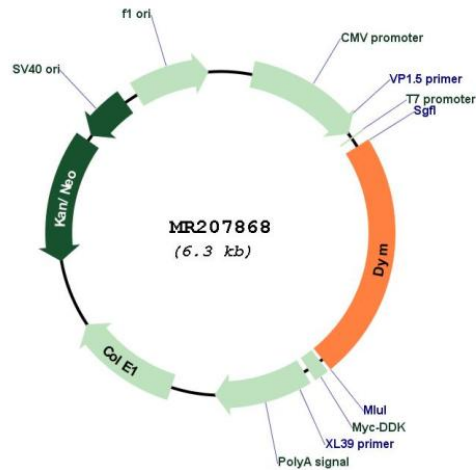
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

## Plasmid Map:



ACCN: BC018220

ORF Size: 1473 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:** [BC018220.1](#)

**RefSeq Size:** 1857 bp

**RefSeq ORF:** 1475 bp

**Locus ID:** 69190

**Cytogenetics:** 18 E2-E3

**MW:** 68.1 kDa

**Gene Summary:** Necessary for correct organization of Golgi apparatus. Involved in bone development.  
[UniProtKB/Swiss-Prot Function]