

Product datasheet for **MG207868**

Dym (BC018220) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dym (BC018220) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dym
Synonyms:	MGC18957
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207868 representing BC018220
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTTGTCTTCTTCTGCCAACCTCTCCACAAGGAGTTCTGCGACAGAGCATCAGTACAAGTACC
 TGATGCAAGGCCATGTCTTCCCTACACAGTAACTTGTGAAAACCTTATTGTATAACTTTATCAGACA
 AGAAAAGCCACCTCCGCCCGGAACCCATGTCTTCCCTCAGCAGTCGGATGGGGGAGGACTGCTGTATGGA
 CTGGCATCAGGAGTAGCAACTGGTCTCTGGACTGTCTTACGCTAGGCGGGGAGGAGCAAGCAGCTG
 CGTCCCCAGAACTTACATCTCTCTGGCCAACCAGAGTCTCCTGCTGCTGCTGGTGTGAACTGAC
 GGATGCCCCAGACATACCAACCCCTACAGGCAAGCTGTCTCGTCATTTAAGAACACGCAAGACAGCAGT
 CCGTCCCATCATCAATTCCTCATACCTCCAGATTAACTTAACAGTTGTACACAGCCCTGTGTGAGC
 AGCAGAGCTGTGATCAGGCAACGCTGCTCCTGTACAGCTGCTCCACCAGAACAGCAATGTCAGGACGTA
 CGTGTGGCCCGACGGATATGAAAATCTTGTTTTACCAATTCTTGAGATTTTGTATCATGTTGAGGAA
 AGAAACTCACACCATGTCTATATGGCCCTATAATCCTGTGATCCTTACAGAAGACGATGGCTTCAATC
 GGTCCATTCATGAAGTATTAAGAAACATTACTTGGTATTAGAAAAGAGTCTTAACTGAGATTTCCCT
 GGGGAGCCTCCTAATTCTGGTGGTAATAAGAACCATCCAGTACAATATGACCAGGACTCGAGACAAGTAC
 CTGCACACAAACTGCCTGGCGGCTTAGCAAACATGTCAGCGCAGTTCGCTCCCTCCACCAGTACGCTG
 CCCAGAGGATCATCAGTTGTTTTCTTTGCTGTCTAAAAAACACAACAAGGCTCTGGAGCAAGCCACGAA
 GTCCTTGAGAGGTCCTGAGCTCCAGCGATGTCCCTCTCCAGATTATGCACAGGACCTCAGTGTCAAT
 GAAGAAGTGATTCGGATGATGCTGGAGATCATCAACTCCTGCCTGACAAATCTCTTACCACAACCCAA
 ACTTGGGTACGCCTTGTCTTACAAACGGGACCTTTTGTAGCAATCCGAACTCATCCCTCATTCCAGGA
 CATAATGCAAAACATTGACCTGGTGATCTCCTTCTTTAGCTCAAGACTTCTACAAGCTGGAGCTGAGCTG
 TCGGTGAAAGGGTCTTGAAATCATTAAACAAGGGTGTGGCCTGCCCAAAGACAGACTAAAGAAGT
 TTCCAGAAGTGAAGTTCAAATACGTGGAGGAAGAGCAGCCTGAGGAGTTCTTATCCCGTACGTCTGGT
 CCTGGTCTACAACCTCAGCGGTGGCTTGTACTGGAACCCGAGGACATCCAGCTGTTGCCATGGACTCG
 GAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207868 representing BC018220
 Red=Cloning site Green=Tags(s)

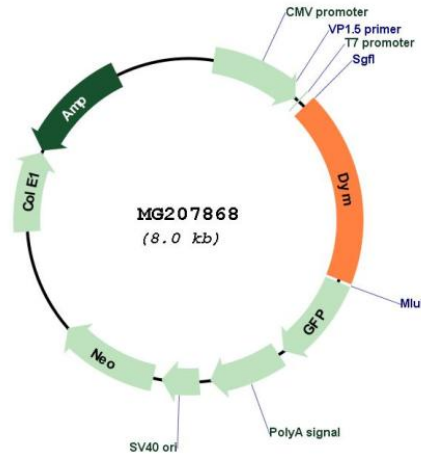
MVVFLSCQLFHKEVLRQSI SHKYL MQGPCLPYTSKLVKTL LYNFIRQEKPPPPGTHVFPQQSDGGGLLYG
 LASGVATGLWTVFTLGGAGSKAAASPELTSPLANQSLLLLLLVNLTDPDIPNYPYRQAVSFKNTQDSS
 PFPSSIPHTFQINFNSLYTALCEQQTSDQATLLLYTLLHQNSNVRTYVLRARTDMENLVLP ILEILYHVEE
 RNSHHVYMALIILLILTEDDGFNRSIHEVILRNITWYSERVLTEISLGSLLILVVIRTIQYNMTRTRDKY
 LHTNCLAAANMSAQFRSLHQYAAQR IISLFSLLSKKHNVLEQATKSLRGLSSSDVPLPDYAQDLSVI
 EEVIRMMLEIINSCLTNSLHNPNLVYALLYKRDLEFQFRTHPSFQDIMQNIDLVISFFSSRLLQAGAEL
 SVERVLEI IKQGVVALPKDRLKKFPELKFYVEEEQPEEFFIPYVWVSLVYNSAVGLYWNPDQIQLFAMDS
 D

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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

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