

Product datasheet for **RR202217**

Dym (NM_001106133) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dym (NM_001106133) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dym
Synonyms:	RGD1309111
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR202217 representing NM_001106133
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGATCGAACAGCAGCAAGATCAGTGATCTACCTAAGAATGAGTACTTAAAGAGGCTGTCAGGCCCG
 AGGCTATCTCTGAAAACGACCCCTTCTGGAATCAGCTCTTCTCTTTTCTTCTCTGACCAACCCAGCAG
 TACTGAGTTGAAGCTGTTAGAAGAGGCAACCATTTTCAGTTTGCAAGTCTTTGGTTGAAAACAACCCTCGA
 ACAGGGAACCTCGCTGCGCTAACTAAGGTCTTCTTGCTAGAACCAGAGAGCTCAGGCTTTCGGCCGAGT
 GTCAGAACCACATCTTCTGCGCAGACACACAATGCCTTGTTTATCATCTGCTGCCTGCTGAAGGTGTT
 CATCTGTGAGATGTCTGAGGAAGAGCTGCAGTTCACCTTACGTATGAAGAAAAGTTGCCCGGCACCTAC
 AGTTCTGACTCTGAAGATCTTTTGAAGAATTGCTCTGCAGCTTGATACAGTTAATCACTGACACTCCAC
 TCCTGGATATCACATATGAGATATCAGTGGAGGCCATCTCAGCAATGATTGTCTTCTTCTGTCAGCT
 CTTCCACAAGGAGTTCTGCGGCAGAGCATCAGTCACAAGTACCTGATGCAAGGTCCATGTCTTCCCTAC
 ACCAGCAAACCTTGAAAACCTTATTATATAACTTTATCAGACAAGAAAAGCCACCTCCGCCCGGAACCC
 ATGCTTCCCTCAGCAGTCGGACGGGGGAGGACTGCTGTATGGACTGGCGTCAGGAGTAGCAACTGGTCT
 CTGGACCGTCTTTCAGCTAGCGGGGGTGGGCAGCAAAGCCGCCTCTCCCGAACTTACTTCCCTCTGGCC
 AACAGAGTCTCCTGCTGCTGTTGGTGCTGGTGAACCTGACGGATGCCCCAGACATCCCCAACCCCTACA
 GACAGGCCGTCACGTCGTTCAAGAACACACAAGACAGCAGTCCGTTCCATCATCCGTCGCCGACACCTT
 CCAGATTAACCTTAACAGTTTGTACACAACCCGTGTGAACAGCAGACGCTGACCAGGCAACGCTCCTC
 CTGTACACTCTGTTGCACCAGAACGCCAATGTCAGGACGTACATGCTGGCCCGGACAGACATGAAAAACC
 TTGTTTTACCAATTCTGGAGATTCTATATCATGTTGAGGAAAGAACTCGCACCATGTCTACATGGCCCT
 TATAATCCTGTTGATCCTTACGGAAGACGACGGCTTCAATCGGTCCATTATGAGGTGATATTAATAAAC
 ATTACTTGGTATTCAGAAAGAGTCTTAACCTGAAATTTCCCTGGGAGCCTCCTAATTCTGGTGGTAATAA
 GAACCATCCAGTACAATATGACCAGGACTAGAGACAAGTACCTGCACACCAATTGCCTGGCGCGTTAGC
 AAACATGTCAGCACAGTTTCGCTCCCTCCACCAGTATGCTGCCAGAGGATCATCAGTTTGTCTTTTCTTG
 CTGTCTAAAAACACAACAAGTTCTGGAGCAAGCCACGCAGCAGGACACTCGTTACTTTCTGTCGTT
 TGAGCGACCTGCAGTCTCCTGTGGCCAGGACCTCAGCGTCATTGAAGAAGTGATTGGGATGATGCTGGA
 GATCATCAACTCCTGCCTGACTAATTCTCTCCACCACAACCCGAACTTGGTGTATGCCCTGCTTTACAAA
 CGGGACCTCTTTGAGCAATTCGGACTCACCCCTATTCCAAGACATAATGCAGAACATTGACCTGGTAA
 TTTCTTCTTTAGCTCAAGACTGCTACAATCTGGAGCTGAGCTGTGAGTGAACGGGTCTTGAAATCAT
 TAAACAAGGGGTTGTGGCACTACCCAAAGACAGACTAAAGAAATTTCCAGAACTGAAATTCAAATACGTTG
 GAGGAAGAGCAGCCTGAGGAGTTCTTATCCCATACGTCTGGTCTCTGGTCTACAACCTCGGCAGTTGGCC
 TGTAAGGATGACGACGATAAGGTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR202217 representing NM_001106133
Red=Cloning site Green=Tags(s)

MGSNSSKISDLPKNEYLKRLSGPEAISENDPFWNQLFSFSAPSSTELKLEEATISVCKSLVENNPR
 TGNLAALTKVFLARTRELRLSAEQNHIFIWQTHNALFIICLLKVFICEMSEELQLHFTYEELKPGTY
 SSDSEDLLEELLCSLIQLITDTPLLDITYEISVEAISAMIVFLSCQLFHKEVLRQSI SHKYLMQGPCLPY
 TSKLVKTLLYNFIRQEKPPPPGTHVFPQQSDGGGLLYGLASGVATGLWTVFTLGGVGSKAASPELTSPLA
 NQSLLLLLLVNLTDAPDIPNPYRQAVTSFKNTQDSSPFPSSVPHTFQINFNSLYTTLCEQQTSDQATLL
 LYTLHQNANVRTYMLARTDMENLVLPILILEILYHVEERNSHHVYMALIILLILTEDDGFNRSIHEVILKN
 ITWYSERVLTEISLGSLLILVVIRTIQYNMTRTRDKYLHTNCLAALANMSAQFRSLHQYAAQRIISLFSL
 LSKKHNVLEQATQQADSVTFVRLSDLQSPVAQDL SVIEEVIRMMLEIINSCLTNSLHHPNLVYALLYK
 RDLFEQFRTHPSFDIMQNIDLVISFFSRLQSGAELSERVLEI IKQGVVALPKDRKKFPCLKFKYV
 EEEQPEEFFIPYVWSLVYNSAVGLYWNPQDIQLFAMDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001106133

ORF Size: 2007 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: [NM_001106133.2](#), [NP_001099603.2](#)

RefSeq Size: 2516 bp

RefSeq ORF: 2010 bp

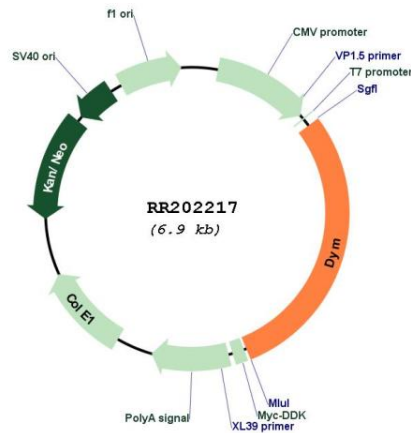
Locus ID: 291433

Cytogenetics: 18q12.2

MW: 76 kDa

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

Product images:



Circular map for RR202217