

## Product datasheet for **RR205017**

### Dtymk (NM\_001106925) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dtymk (NM_001106925) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dtymk
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205017 representing NM_001106925 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGC**C

ATGGCGTCGCGTCGCGGGGCGCTCATCGTGCTGGAGGGTGTGGACCGTGTGGCAAGACCACGCAGTGCC  
TCAGGCTGGTGACCGCGCTGTGCGCCTCGGGCCACAGAGCGGAGCTGCTGCGTTCCCTGAAAGATCAAC  
AGAAATCGGCAAGCTTCTGAGTTCCTACTTAGAAAAGAAAACCGAGCTCGAGGATCATTCCGTGCACCTG  
CTCTTCTCTGCCAACCGCTGGGAACAAGTGCCATTAATTAAGGCGAAGTTGAACCAAGGGTGTGACCCCTG  
TTTTGGACAGATACGCGTTTTCTGGGGTTCCTTCACTAGCGCCAAGGAGAATTTTCTTGATTGGTG  
CAAACAACCAGATGTGGGCCCTCCCAAGCCTGATCTGATCCTGTTCTGCAAGTTACAATTGCTGGACGCT  
GCTTCGAGGGGAGAGTTTGGTCTTGAGCGCTATGAGACTGGGACGTTCCAGGAGCAGGTTCTGCTGTGT  
TCCAGCAGCTCATGAGTGAGAAGAACCTCAACTGGAAGGTGGTTGATGCTTCCAAAAGCATTGAGGATGT  
CCATGAAGAAATCCGTGCGCTCTCAGAGGACGCCATCCAAAATGCTGCACAGAGGCCACTGGAGGAGCTA  
TGGAAA

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RR205017 representing NM_001106925 Red=Cloning site Green=Tags(s)
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MASRRGALIVLEGVDRAGKTTQCLRLVLTALCASGHRAELLRFPERSTEIGKLLSSYLEKKTELEDHSHVHL  
LFSANRWEQVPLIKAKLNQGVTLVLDRYAFSGVAFTSAKENFSLDWCKQPDVGLPKPDLILFLQLQLLDA  
ASRGEFGLERYETGTFQEQVLLCFQQLMSEKNLWVKVVDASKSIEDVHEIRALSEDAIQNAQRPLEEL  
WK

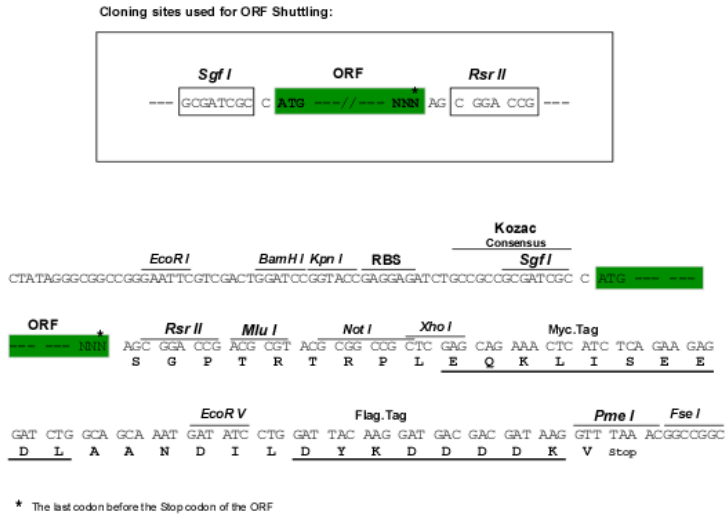
**SGP**TRTRPLEQKLISEEDLAANDILDYKDDDDKV



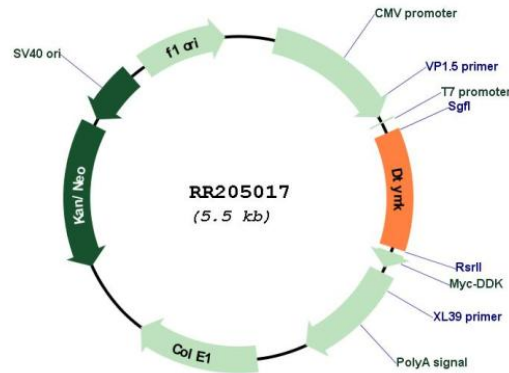
[View online »](#)

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001106925

ORF Size: 636 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001106925.1, NP_001100395.1</u>
<b>RefSeq Size:</b>	1235 bp
<b>RefSeq ORF:</b>	639 bp
<b>Locus ID:</b>	301622
<b>Cytogenetics:</b>	9q36
<b>MW:</b>	24 kDa