

## Product datasheet for **MG202309**

### Dtymk (BC030178) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dtymk (BC030178) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dtymk
Synonyms:	mtmk, CDC8, TMPK, TYPK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202309 representing BC030178 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGTCGCGTCGGGGAGCGCTCATCGTGTGGAGGGTGTGGACCGTGTGGCAAGACCACGCAGGGCC  
TCAAGCTGGTGACCGCGCTGTGCGCCTCGGGCCACAGAGCGGAGCTGCTGCGTTTCCCCGAAAGATCAAC  
GGAAATCGGCAAGCTTCTGAATTCCTACTTGGAAAAGAAAACGGAAGTACAGGATCACTCCGTGCACCTG  
CTCTTCTCTGCAAACCGCTGGGAACAAGTACCATTAATTAAGCGAAGTTGAACCAGGGTGTGACCTTG  
TTTTGGACAGATACGCCTTTTCTGGGGTTCCTTCACTGGTGCCAAAGAGAATTTTCCCTGGATTGGTG  
TAAACAACCGGACGTGGGCCTTCCCAAACCTGACCTGATCCTGTTCCCTCAGTTACAATTGCTGGACGCT  
GCTGCACGGGGAGAGTTTGGCCTTGAGCGATATGAGACCGGGACTTCCAAAAGCAGGTTCTGTTGTGT  
TCCAGCAGCTCATGGAAGAGAAAACCTCAACTGGAAGGTGGTTGATGCTTCCAAAAGCATTGAGGAAGT  
CCATAAAGAAATCCGTGCACACTCTGAGGACGCCATCCGAAACGCTGCACAGAGGCCACTGGGGGAGCTA  
TGGAAA

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202309 representing BC030178  
 Red=Cloning site Green=Tags(s)

MASRRGALIVLEGVDRAGKTTQGLKLVLTALCASGHRAELLRFPERSTEIGKLLNSYLEKKTELEDHSHVHL  
 LFSANRWEQVPLIKAKLNQGVTLVLDRYAFSGVAFTGAKENFLDWCKQPDVGLPKPDLILFLQLQLLDA  
 AARGFGLERYETGTFQKQVLLCFQQLMEEKNLNWKVVDASKSIEEVHKEIRAHSEDAIRNAAQRPLGEL  
 WK

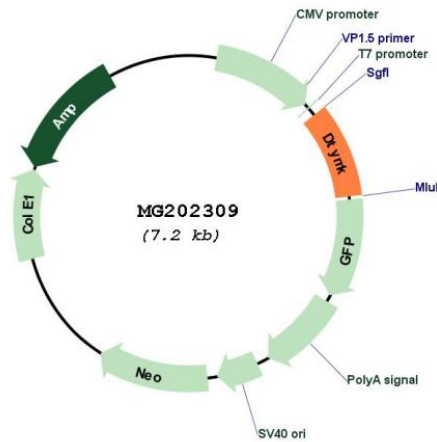
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC030178

ORF Size: 638 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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>	<a href="#">BC030178</a> , <a href="#">AAH30178</a>
<b>RefSeq Size:</b>	976 bp
<b>RefSeq ORF:</b>	638 bp
<b>Locus ID:</b>	21915
<b>Cytogenetics:</b>	1 47.34 cM
<b>Gene Summary:</b>	Catalyzes the conversion of dTMP to dTDP.[UniProtKB/Swiss-Prot Function]