

## Product datasheet for **RR214425**

### Mef2b (NM\_001017507) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mef2b (NM\_001017507) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Mef2b  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR214425 representing NM\_001017507  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGGGAGGAAAAAATCCAGATCTCACGCATTCTAGACCAAAGGAACAGGCAGGTGACTTTCACCAAGC  
GCAAGTTCGGGCTGATGAAGAAAGCTTACGAGTTGAGCGTGCTTTGTGACTGCGACATCGCGCTGATCAT  
CTTCAACAGCGCGCAGCGCCTCTCCAGTATGCGAGCAGCGACATGGACCGGGTGTCTCAAATACACC  
GAGTACAGCGAGCCGACGAGAGCCGCACGAACCGGATATCTTGCAGACACTGAAGAGGAGGGGAGTGG  
GCCTTGATGGGCCGAAGTGGATATGGAAGAGGGGCCAGAGGGTCTGGAGAGAAGCTGCTGAGGACGCT  
GGGAGGAGACAGAGGCTTGGTCTCGCCCCGCCTCGGATCTATCCAGTGGCCCCGCAATGTCGGTCTCA  
GAGCTGTCATACCGGTCCACCCGCCACTTCAGGCTGTGACCCTGGCGGGTGGGGAGGCCCGTCTG  
TCCACAGCCGCTCGCCTCACTTTCGACCCCGGGCCTGGGACACCCCATCTTCTCCTCCGAGCCACCTTGC  
GGGCAAGACACCCCAACCCCTGTACCTGGCGACTGATGGCGGAGGCCAGACCTGCCCCCTGGCCTGGT  
GGTGGCCGAGGGGACTGGGCACATCGAGGAGCTTGTACAGCGGCTTGCAGAGCCCTGGCGCCCGGGCC  
CGGCTCTGGGTAGCTTCGCCTTCTACCACCAGGCTCAGCAGATTGCAGTCCGGGAGACGCAGCTCAGGT  
CCCCCTGCAGCCCTCGCCCTGGCCACCAACGAGGGACCGGTGGACCCCGCGGGCCAGCTGCCCGCAGT  
CTGTGCGAGGAGGGTCCCCGAGCCGAGAGGCCTCCCCTCCGACACCTCCGGTCAGCATCAATCCGAAC  
GTCTGTCTCCAGTCACTGGGACCTCTGGAGACTTCCCCAGGTCTTCCCCTACCTCTGCTCCTTGCCAG  
ACCCCTGGCAGAGCCACTGCGGCCCGGTCCCTGCGCCGTTGACTCCCGACAGCTGGCCACGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR214425 representing NM\_001017507  
 Red=Cloning site Green=Tags(s)

MGRKKIQISRILDQRNRQVTFTKRKFGLMKKAYELSVLDCDIALIIFNSAQRLFQYASSDMDRVLLKYT  
 EYSEPHESRTNADILQTLKRRGVGLDGPELDMEEGPEGPGEKLLRTLGGDRGLVSPPPRIYPVAPAMSVS  
 ELSYRVPPATSGCDPGGLGEAPSVHSRSPHFRPPGLGHPIFSPSHLAGKTPPPLYLATDGRRPDLPPGLV  
 GARGGLGTSRSLYSGLQSPGAPGALGSFAFLPPGSADCSPGDAAQVPLQSPWPPTRDVDPAGPAARS  
 LCEEGPPSREASPTTPVSIKSERLSPVTGTSGDFPRSFPYPLLLARPLAEPLRPLASLRRLTPDSWPR

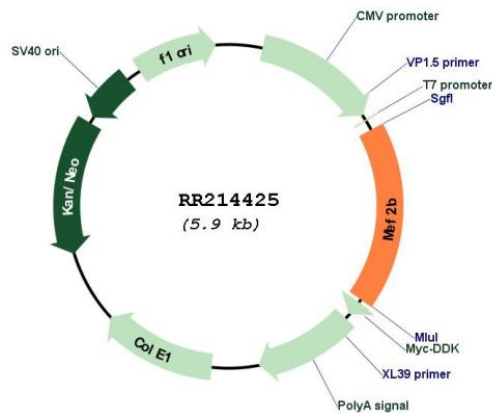
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001017507

<b>ORF Size:</b>	1044 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="#">NM_001017507.1</a> , <a href="#">NP_001017507.1</a>
<b>RefSeq Size:</b>	1346 bp
<b>RefSeq ORF:</b>	1047 bp
<b>Locus ID:</b>	498607
<b>Cytogenetics:</b>	16p14
<b>MW:</b>	37.3 kDa