

## Product datasheet for **RR215466**

### Micb (NM\_001017468) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Micb (NM\_001017468) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Micb  
**Synonyms:** Mill2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR215466 representing NM\_001017468  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGAAGCCAGTCTGGAACAGCAGGACCAGCAGTCTACTGTTGATCTTAGCGTGCTCCTGACAGAGT  
CACAGGGATCCAGGAGCCAGGGAACCCACACTCTGCGCTATGATGTCACAGCCTGTTTTCTGGAGGGCTC  
TGAGCAGACCAGGCTCCTGGTCCTAATATACGTAGACGATGAGCTTCTCCTGAGGTACAATGGAGACAGG  
AGGAGTGCAAAGCCCTGGGCATGCTGGATTAAGGGCCATGGGGGAGATGAGACGTGTGCAAGAGAGGTTG  
AGAATCTGCCGAAGGAGGAGGAGAGACTCAGGGAGATGATGGCTGAGATGATAAACCAGAAGGGCCACGA  
CAAAGGCCATACACTCTTCAGGCAACCCTGGGCTGTGAGCTTCAAAGAAACGGAAGCACTAGAGGCTTC  
TGGCACCTGGGCTACGAAGGGCGGAACCTCCTCACCTTCGACCAGAAGACTCTCACATGGACAATGGATG  
TGCCCTTCACCCAGCAGAAGAAGACGTTCTGGGAGCCACGTGCACCCAAAGCTGACCTAGTTAAGACGTT  
CTTGGATGAGACATGCTCTGCTCGGCTCCAGAGACACCTGGCTTCTTGGAGTAATGTTCTGCCGGATACA  
GGTTCCCCAGTGGTGATTGTGACCTGCAGGAATTATCCCGTGGCAGGATCACGCTGACATGCCGGGCTT  
TTAATCTGAGTTCCTATGTGGCCACCCTGCTCTGGCTTCGGGACGGGAAGCCGGTACAGCAGGATGCTT  
TGGGCTGGGACCATCCTGCCAGTGGGACGGGACCTACCAGACCTGGGTGTCCATTCCGGTTCTTCTCT  
GGACAGGAACCACAGTTCGCCTGCAACCTGAGGCATAGCAACCGCACCATCATGCAGACCCTGTCTCTG  
GCGAGAGCATGGGATGGCCATCCGCCTCATGGGCTACGAGGCAAGAGGCGGAAGGACCCCATAGGACACA  
CAATGACCACGTGGTTGATGGCGGACTGGTTACGGGGAATGCTAATAAGGACAGTCCAGATGCTTCCAGC  
TGTGCTACAGCCTCAGCCATATCTGCGTTCCTCCGTTGTCGTGTTGTCTGTGGCACTGCCAGAGCCAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR215466 representing NM\_001017468  
 Red=Cloning site Green=Tags(s)

MEASSGTAGPAVLLLILALLLTSQGSRSQGTHTLRYDVTACFLEGSEQTRLLVLIYVDELFLRYNGDR  
 RSAKPWACWIKGHGGDETCAREVENLPKEEERLREMAEMINQKGHDKGPYTLQATLGCELQRNGSTRGF  
 WHLGYEGRNLLTFDQKTLTWTMDVPFTQQKTFWEPRAPKADLVKTFLETCPARLQRHLASLSNVLPTD  
 GSPVVIIVTCRNYPVGRITLTCRAFNLSSHVATLLWLRDGGKPVQDVFPGGTILPSGDGTYYQTVWSIRVLP  
 GQEPQFACNLRHSNRTIMQTAVSGESMGWPSASWATRQEAEGPHRTHNDHVVDGGLVTGNANKDSPASS  
 CATASAISAFPVVVLSVALPRAN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

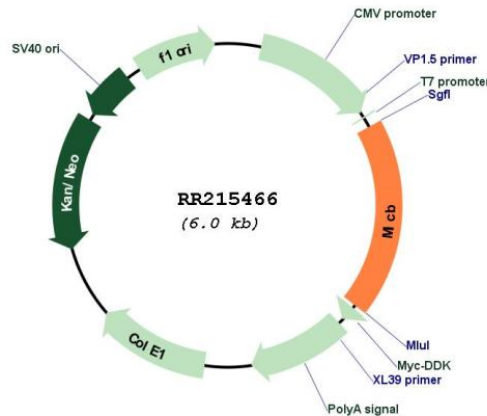
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001017468

<b>ORF Size:</b>	1119 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_001017468.2</a> , <a href="#">NP_001017468.1</a>
<b>RefSeq Size:</b>	1202 bp
<b>RefSeq ORF:</b>	1122 bp
<b>Locus ID:</b>	365212
<b>UniProt ID:</b>	<a href="#">Q60119</a>
<b>Cytogenetics:</b>	1q21
<b>MW:</b>	41.1 kDa
<b>Gene Summary:</b>	Binds to heparan sulfate proteoglycans on the surface of fibroblast cells.[UniProtKB/Swiss-Prot Function]