

## Product datasheet for **RN212651**

### **Mep1b (NM\_013183) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mep1b (NM_013183) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mep1b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN212651 representing NM\_013183  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGATGCCCGCATTGGCCCTGGTTTCTGGTTTTGCCACATTTCTCCTGGTTTCTGGCTTCCAGCTC  
 CAGAAAAGTTTGTCAAAGACATAGATGGGGAATCGATCAAGACATATTCGATATCAATGAAGATTTAGG  
 ACTGGACCTTTTCGAGGGAGACATCAAACCTGGAGCAAGTGGGAGGAATCCATCATTGGAGACAACTAC  
 AGATGGCCACATAACCATTCCATATGTTCTAGAAGACAGCTTGGAAATGAATGCTAAAGGAGTAATCCTCA  
 ATGCGTTTCGAGCGCTATCGCCTTAAAACGTGCATTGACTTCAAGCCCTGGTCTGGAGAAGAGAACTATAT  
 ATCAGTGTTCAGGGCAGTGGGTGCTGGTCTTTCAGTGGGAAACATTACAGCTGGGAAGCAAGAGTTGTCC  
 ATCGGGACAACTGTGACAGAATAGCAACAGTTCAACATGAGTTCCTCCACGCCCTGGGATTCTGGCAGC  
 AGCAGTCGCGTGTGACCGAGATGATTACATCACTATAGTTTGGGACAGGATCTTGTCCGGCAAGGAACA  
 CAATTTCAACATCTACAACGACAGTGTGTCTGATTCCCTGAATGTCCCATACGACTACACCTCGGTAATG  
 CACTACAGCAAAAACCGCTTCCAGAATGGGACAGAGTCTACCATCATTACGAAAACTCAGACTTTGAGG  
 ATGTGATTGGCCAACGAATGGACTTCAGTGACTATGACCTTCTGAAGCTGAACCAGCTGTACAGCTGCAC  
 TTCTTCTTGGAGTTTATGGACTCCTGCGATTTTGGAGTGGAGAATATCTGTGGCATGATCCAAAGTTCA  
 CAAGATAGCGTCTGACTGGCAGCGCTTTTACAGTTTCTCAGTGGTCCGGAGAATGACCACTCCAACATGG  
 GCCAGTGCAAAGACTCTGGCTTCTTTATGCACTTCAACACTAGCACTGGGAATGGGGGATCACAGCGAT  
 GCTGGAGAGCAGAGTGTGTACCCCAAGAGAGGGTTTTCAGTGGTGGAGTTTTATCTGTATAACAGTGG  
 AGTGGAAATGGCCAACTGAACGTCTACACCCGGGAGTACTGCAGGCCACCAGGATGGCGTTTTGACCC  
 TTCAGAGAGAAAATAAGAGACATACCCACTGGGAGCTGGCAGCTTACTATGTAACACTGCAAGTACTGA  
 AAAATTCGAGTGGTGTGTTGAAGCGTCCGAGGCCCTGGCGCATCATCGGGTGGTCTGTCTATCGATGAC  
 ATCAATCTCTCGGAAACAAGGTGTCCCCACCACATCTGGCACATACAGAATTTCACTCAGCTTCTTGGAG  
 GCCAGACCACTGTATACAGTCTCCATTTTATTCTCTAAAGGTTACGCTTTTTCAGATTAACCTGGATCT  
 AACATCCCGACCAATGTAGGGCTTTATTTCCACCTGATCTCCGGGGCCAATGACGATCAATTACAGTGG  
 CCGTGTCTTGGCAGCAAGCCACAATGACTCTTGGATCAGAATCCTGACATCCGGCAGCGTATGTCCA  
 ACCAGCGGAGTAAACCACAGACCCAAAGATGACCGATGATAATGGAAGCTATCTTTGGGACAGGCCTTC  
 CAAGGTGGGAGTGGAGGCTTTTTCCCTAATGAACTCAGTTTAGCAGAGGCAGAGGCTATGGAACCAGT  
 GTCTTCATAACCCAAGAGAGGCTGAAGAGCAGAGATTCTTAAAAGGAGATGACGTTTACATCTTACTGA  
 CGGTTGAAGATATATCTACCTCAATTCTACAGCGGCTGTCCAGGGCCAGTCCCACCACCTCGACTGT  
 CCATAATGCCTGCTCTGAGGTGCAATGTGAGAAGCGCGCATCTGCACTCTCAAAGAAGGAGAGCTGAG  
 TGCAAGTGTCTGCAGGAGAAGACTGGTGGTACATGGGCAAAAAGGTGTGAGAAGAGAGGGTCCACCAAGG  
 ACACGATTGTCATTGCTGTGCTTCCACGGTACCAGTGTTCGCGTGTGCTGATCATCACCCCTTATCAG  
 CGTCTACTGCACCCGGAGGAAATATCGTAAGAAGGCTAGTGCAAAGACAGCAGCCATGAATCTAGAAAAC  
 CAACATGCGTTT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_013183

**Insert Size:** 2115 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

<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_013183.2</a> , <a href="#">NP_037315.1</a>
<b>RefSeq Size:</b>	2289 bp
<b>RefSeq ORF:</b>	2115 bp
<b>Locus ID:</b>	25727
<b>UniProt ID:</b>	<a href="#">P28826</a>
<b>Cytogenetics:</b>	18p12
<b>Gene Summary:</b>	beta subunit of meprin metalloproteinases, which form homotetramers and heterodimers with alpha subunit Mep1a [RGD, Feb 2006]