

Product datasheet for **RN207167**

Mep1a (NM_013143) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mep1a (NM_013143) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mep1a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN207167 representing NM_013143
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGTGGACACTACCTGTGTGCTTCTCTCACTGAGTTTTTCTGCCACATTGCAGCTGTGTCCATTC
 AGCATCTTTCGACTGGACATGACCACGATGATGTAGACGTTGGTGAACAACAGAAGGACATTTTCAGAAAT
 CAACTCAGCTGCAGGCCCTGAACCTTTTTCAAGGGGACATCCTTCTGCCAGAACCAGAAATGCCCTGAGA
 GATCCGTC AAGCAGATGGAAGCCCCCATTCCATACATTCTGGCTGACAACTCTGGATCTGAACGCCAAAG
 GAGCCATCCTCAATGCCTTTGAGATGTTCCGCCTCAAGTCTTGTGTGGACTTCAAGCCCTATGAGGGGGA
 GAGCTCGTACATCATCTCCAGCAGTTTTCTGGGTGCTGGTCTATGGTCGGTGATCAACACGTGGGACAG
 AATATTTCCATTGGT GAGGGCTGCGACTATAAGGCCATCATTGAACATGAGATCTGCATGCTCTGGGAT
 TCTTCCATGAGCAGTCAAGGACTGACCGGGATGATTATGTGAACATCTGGTGAATGAAATTATGACAGA
 TTATGAACATAATTTCAACACGTATGATGACAAGACCATCACAGACCTCAACACACCCTATGATTATGAG
 TCCTTGATGCACTATGGGCCATTTTCATTTAACAAGAATGAAACCATCCCGACCATCACTACCAAGATCC
 CTGAGTTCAACGCCATCATTGGACAGCGCCTGGATTTCACTGCCACTGATTTAACGAGACTGAATCGGAT
 GTACAACCTGCACCAGAACACATACCCTGCTGGACCACTGTGCGTTTGAGAAGACCAACATCTGTGGAATG
 ATCCAGGGGACCAGAGATGATGCTGACTGGGTTTCATGAGGACAGCAGTCAGCCTGGACAAGTGGATCACA
 CCTTGGTGGGACGGTGCAAAGCTGCTGGCTACTTCATGTACTTCAATACCAGCTCGGGGGTGACCGGAGA
 GGTAGCCCTTCTGGAGTCTGGATCCTTACCCCAAGAGGAAGCAGCAGTGTTCAGATTTTTTATAAG
 ATGACAGGAAGCCCTTCAGACAGACTCCTCATCTGGGTGAGAAGGACGACAACACGGGCAACGTGCGCC
 AGCTGGCCAAGATCCAGACTTTTCAAGGAGATTCTGATCACAAC TGAAAATTGCTCAGTGACACTCAA
 CGAAGAGAAGAAAATTTTCGCTATGTTTTCCAGGGTACCAAAGGTGACCCTGGTAACCTCAGATGGCGGTATT
 TACCTTGATGACATCACTCTGACAGAAACCCCTGCCCTACAGGGGTTTGACCATCCGGAATATCTCCC
 AGGTCCTTGAGAACACAGTGAAAGGGGACAGGCTCGTGAGCCCTAGGTTCTACAATCCGAGGGTTATGG
 TTTTGGGGTGACCTTGTACCCCAATGGTAGAATCACCAGTAACTCTGGCTACCTGGGACTCGCTTCCAC
 TTGTACAGTGGGGATAACGATGTGATTCTGGAGTGGCCAGTGGAGAACGAGCAGGCCATAATGACCATCC
 TGGACCAGGAACCTGATGCCAGGAACAGGATGTCCTTGAGTTTGATGTTCACTACCTCCAAGTACCAAAC
 ATCTTCAGCTATAAATGGCTCTGTCTGCTGGGACAGGCCAACCAAGTTGGAGTCTATGATAAGGACTGT
 GATTGTTTTAGAAGCATTGACTGGGTTGGGGTCAAGCCATTTCCACCAGATGCTGATGAGAAGAAATT
 TCCTTAAAGATGACACCCTCATCATCTTCGTGGACTTTAAAGACCTTACCACTTGAGGCAGACTGAAGT
 CCCCATTTCCAGCAGAAGCGTGATACCCCGAGGACTCCTTCTGCAAGGCCAGGAGCCTTTGCTTGGGA
 GACTCCAGAATAGCCATGATGGAGGAATCCCTGCCAAGAAGGCTGGACCAGAGACAGCCAGCAGACCAA
 AGCGCTCAGTGGAAAATACTGGTCCCATGGAGGACCACAACCTGGCCACAGTACTTCAGAGACCCATGTGA
 CCCAAACCCTTGCCAGAATGAAGGCACCTGTGTGAACGTAAGGGGAATGGCCAGCTGCAGGTGCGTCTCT
 GGGCATGCCTTTTTCTACACAGGGGAGCGCTGTCAGGCTATGCATGTGCACGGAAGCTTGCTGGCCTGC
 TCATTGGCTGCATCACTGCTTTGATCTTCTGACCTTCATCACATTCTCCAACACTTACCAAAAGCTGAG
 GCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_013143

Insert Size: 2247 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).

Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_013143.1</u> , <u>NP_037275.1</u>
RefSeq Size:	2928 bp
RefSeq ORF:	2247 bp
Locus ID:	25684
UniProt ID:	<u>Q64230</u>
Cytogenetics:	9q13
Gene Summary:	alpha subunit of meprin metalloproteases, which form homotetramers and heterodimers with beta subunit Mep1b [RGD, Feb 2006]