

Product datasheet for **RR204132**

Mepe (NM_024142) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mepe (NM_024142) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mepe
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204132 representing NM_024142
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCAGGCTGTGCTGTTGGACTGTTCTCTTCAGTATGACCTGGGCGGCACCAAAGCTGAATGAAGATG
GCAGCAGCGCGGTAACCAAGGCAACATCCACTTAGCATCTGTGAAGCCTGAGCCATGGTGGGTAAGG
AACAGAGGGTGGCGGAGATGCTCCCTTCACCTGCTTGACCAGAACAGGCAGGGTGCCACCCTCCTCAGA
AATATCACTCAGCCTGTAAGAGACTCGGTGACGGGACTGAAGTACAGAGCGACAGAAACAAGAGAAGA
AACCTCAGAGTGTCTAAGCGTAATTCCAACAGATGTCCACAATACTAACGACTACTCAGAAGATACAGA
GAACCAACAGAGGGATCTACTACTCCAGAACAGCCAGGACAAAGCAAACACACCCTCGGGCCCGACGA
AGCACGCACTACCTAACACATCTCCCCAAATCAGAAAGATTCTCAGTGACTTCGAGGACAGTGCTTCCC
CAGACCTTCTAGTGAGGGGGATAATGATGTCCCTCCTTCAGTGGAGATGGACAACATTTATGCACAC
TCCCGACAGAGGAGGTGCTGTTGGATCTGATCCTGAAAGCTCAGCTGGTACCCTGTGTCAGGCTCCAGC
AATGTCGAGATTGTTGACCCACACACGAATGGACTGGCTCTAATGAGATCCCAGGGAGAGAAGGTCACA
TAGGCGGTGCCTATGCAACCAGAGGAAAACTGCGCAGGGGCGAGTTCCGCGGATGTGAGCCTTGTGGA
GGGCAGCAATGAAATCACGGGCAGTACCAAATTTAGGGAGCTCCCTGGAAAAGAAGGAAACAGAGTCGAT
GCCAGCAGCCAAAATGCTCATCAAGGAAAAGTAGAATTTCACTACCCACAAAGCGCCTCAAAGAGAAGG
TAAAAGGGGGCAGCAGGGAGCACACAGGAAAAGCCGGTTACAATGAAATCCCAAGAGCAGCAAGGGCGG
CGCTAGCAAGGATGCGGAAGAATCTAAAGGGAACCAAGTAACCTTGACTGAAAGCCAAAGGTTCCAGGC
AAAGGCAAAGGCCAGTCTTCTCACAGTCTTGTAATGAGGTTAAAAGTGAAGAAGACTCTTCTAATAGTC
TCAGTAGAGAGGGGATTGCAATAGCACACAGGAGAACAAGCCACCCTACACGGAATAGGGGGATGTACA
GCGGAGAGGCTCCTGGGCTCGAGAAGACCCATCCCCACGGCGGTAAGCACCCGCCAAAGAGACAGT
AGTGAGTCATCATCCAGTGGGAGTCTAGCGAGAGCAGTGGTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR204132 representing NM_024142
Red=Cloning site Green=Tags(s)

MQAVSVGLFLFSMTWAAPKLNEDGSSGGNQGNIIHLASVKPEPMVGKGTGGRDAPLHLLDQNRQGATLLR
 NITQPVKSLVTGTEVQSDRNKEKKPQSVLSVIPTDVHNTNDYSEDTENQQRDLLLNQSPGQSKHTPRARR
 STHYLTHLPQIRKILSDFEDSASPDLVVRGDNDVPPFSGDGQHFHMTDRGGAVGSDPESSAGHPVSGSS
 NVEIVDPHTNGLGSNEIPGREGHIGGAYATRGKTAQAGSADVSLVEGSNEITGSKFRELPGKEGNRVD
 ASSQNAHQGKVEFHYPQAPSKEKVKGGSREHTGKAGYNEIPKSSKGGASKDAEESKGNQVLTLESQRFPG
 KGKGQSSSHSLGNEVKSEEDSSNSLSREGIAIAHRRTSHPTRNRGMSQRRGSWASRRPHPHRRVSTRQRDS
 SESSSSGSSSESSGD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

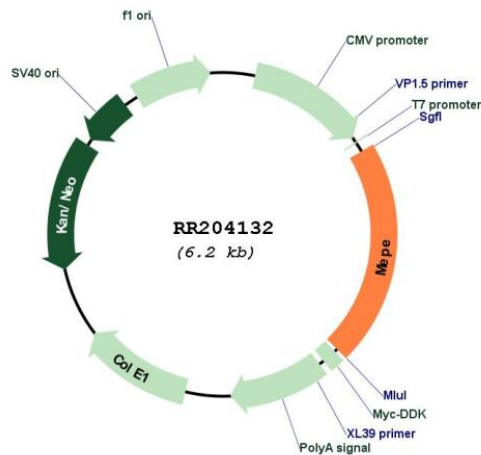
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_024142
ORF Size:	1305 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_024142.1 , NP_077056.1
RefSeq Size:	1655 bp
RefSeq ORF:	1308 bp
Locus ID:	79110
UniProt ID:	Q9ES02
Cytogenetics:	14p22
MW:	46.5 kDa
Gene Summary:	may play a role in bone homeostasis [RGD, Feb 2006]