OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC336779

MEPE (NM_001291183) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MEPE (NM_001291183) Human Untagged Clone
Tag:	Tag Free
Symbol:	MEPE
Synonyms:	OF45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

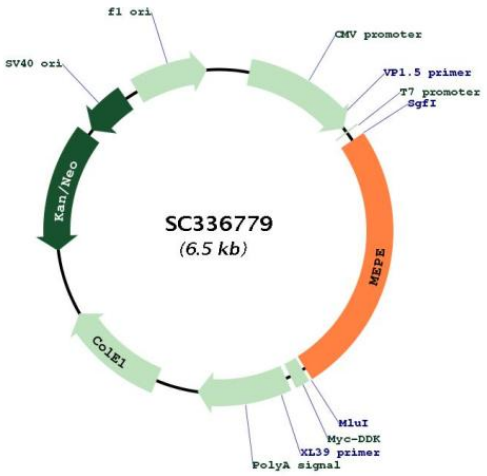
Fully Sequenced ORF:

>SC336779 representing NM_001291183.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGAGTTTTCTGTGTGGGACTACTCCTTTTCAGTGTGACCTGGGCAGCACCAACATTTCAACCACAG
ACTGAGAAAACTAAGCAAAGCTGTGTGGAAGAGCAGAGGATAACATACAAGGGTCACTATGAGAAACAT
GGGCATTATGTTTTTAAGTGTGTTTACATGTCACCTGAGAAGAAAAATCAAACTGATGTAAAGCAGGAA
GAAAAAAACAAAGACAATATTGGTTTTCACCATTTGGGCAAGAGAATAAATCAAGAGCTATCATCTAAA
GAAAATATTGTCCAGGAAAGAAAGAAAGATTTGTCCCTTTCTGAAGCCAGTGAGAATAAGGGAAGTAGT
AAATCTCAAAATTATTTCACAAATAGACAGAGACTGAATAAAGAATATAGTATCAGTAACAAAGAGAAT
ACTCACAATGGCCTGAGGATGTCAATTTATCCTAAGTCAACTGGGAATAAAGGGTTTGAGGATGGAGAT
GATGCTATCAGCAAACTACATGACCAAGAAGAATATGGCGCAGCTCTCATCAGAAATAACATGCAACAT
ATAATGGGGCCAGTGACTGCGATTAAACTCCTGGGGGAAGAAAACAAAGAGAACACACCTAGGAATGTT
CTAAACATAATCCCAGCAAGTATGAATTATGCTAAAGCACACTCGAAGGATAAAAAGAAGCCTCAAAGA
GATTCCCAAGCCCAGAAAAGTCCAGTAAAAAGCAAAAGCACCCATCGTATTCAACACAACATTGACTAC
CTAAAACATCTCTCAAAAGTCAAAAAAATCCCCAGTGATTTTGAAGGCAGCGGTTATACAGATCTTCAA
GAGAGAGGGGACAATGATATATCTCCTTTCAGTGGGGACGGCCAACCTTTTAAGGACATTCCTGGTAAA
GGAGAAGCTACTGGTCCTGACCTAGAAGGCAAAGATATTCAAACAGGGTTTGCAGGCCCAAGTGAAGCT
GAGAGTACTCATCTTGACACAAAAAAGCCAGGTTATAATGAGATCCCAGAGAGAGAAGAAAATGGTGGA
AATACCATTGGAACTAGGGATGAAACTGCGAAAGAGGCAGATGCTGTTGATGTCAGCCTTGTAGAGGGC
AGCAACGATATCATGGGTAGTACCAATTTTAAGGAGCTCCCTGGAAGAGAAGGAAACAGAGTGGATGCT
GGCAGCCAAAATGCTCACCAAGGGAAGGTTGAGTTTCATTACCCTCCTGCACCCTCAAAAGAGAAAAGA
AAAGAAGGCAGTAGTGATGCAGCTGAAAGTACCAACTATAATGAAATTCCTAAAAATGGCAAAGGCAGT
ACCAGAAAGGGTGTAGATCATTCTAATAGGAACCAAGCAACCTTAAATGAAAAACAAAGGTTTCCTAGT
AAGGGCAAAAGTCAGGGCCTGCCCATTCCTTCTCGTGGTCTTGATAATGAAATCAAAAACGAAATGGAT
TCCTTTAATGGCCCCAGTCATGAGAATATAATAACACATGGCAGAAAATATCATTATGTACCCCACAGA
CAAAATAATTCTACACGGAATAAGGGTATGCCACAAGGGAAAGGCTCCTGGGGTAGACAACCCCATTCC
AACAGGAGGTTTAGTTCCCGTAGAAGGGATGACAGTAGTGAGTCATCTGACAGTGGCAGTTCAAGTGAG
AGCGATGGTGACTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN:	NM_001291183
Insert Size:	1671 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:	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_001291183.1
RefSeq Size:	2054 bp
RefSeq ORF:	1671 bp
Locus ID:	56955
UniProt ID:	Q9NQ76
Cytogenetics:	4q22.1
Protein Families:	Secreted Protein
MW:	62.2 kDa

Gene Summary: This gene encodes a secreted calcium-binding phosphoprotein that belongs to the small integrin-binding ligand, N-linked glycoprotein (SIBLING) family of proteins. Members of this family are components of the extracellular matrix of bone and dentin and regulate bone mineralization. Deficiency of a similar protein in mouse results in increased bone mass. Mice lacking this gene are resistant to aging-related trabecular bone loss. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014]
Transcript Variant: This variant (6) encodes the longest isoform (c). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.