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Product datasheet for SC328669

MEPE (NM_001184695) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MEPE (NM_001184695) Human Untagged Clone
Tag:	Tag Free
Symbol:	MEPE
Synonyms:	OF45
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001184695, the custom clone sequence may differ by one or more nucleotides ATGTCAATTTATCCTAAGTCAACTGGGAATAAAGGGTTTGAGGATGGAGATGATGCTATC AGCAAACTACATGACCAAGAAGAATATGGCGCAGCTCTCATCAGAAATAACATGCAACAT ATAATGGGGCCAGTGACTGCGATTAAACTCCTGGGGGAAGAAAACAAAGAGAACACACCT AGGAATGTTCTAAACATAATCCCAGCAAGTATGAATTATGCTAAAGCACACTCGAAGGAT AAAAAGAAGCCTCAAAGAGATTCCCAAGCCCAGAAAAGTCCAGTAAAAAGCAAAAGCACC CATCGTATTCAACACAACATTGACTACCTAAAACATCTCTCAAAAGTCAAAAAAATCCCC AGTGATTTTGAAGGCAGCGGTTATACAGATCTTCAAGAGAGAGGGGACAATGATATATCT CCTTTCAGTGGGGACGGCCAACCTTTTAAGGACATTCCTGGTAAAGGAGAAGCTACTGGT CCTGACCTAGAAGGCAAAGATATTCAAACAGGGTTTGCAGGCCCAAGTGAAGCTGAGAGT ACTCATCTTGACACAAAAAAGCCAGGTTATAATGAGATCCCAGAGAGAGAAGAAAATGGT GGAAATACCATTGGAACTAGGGATGAAACTGCGAAAGAGGCAGATGCTGTTGATGTCAGC CTTGTAGAGGGCAGCAACGATATCATGGGTAGTACCAATTTTAAGGAGCTCCCTGGAAGA GAAGGAAACAGAGTGGATGCTGGCAGCCAAAATGCTCACCAAGGGAAGGTTGAGTTTCAT TACCCTCCTGCACCCTCAAAAGAGAAAAGAAAAGAAGGCAGTAGTGATGCAGCTGAAAGT ACCAACTATAATGAAATTCCTAAAAATGGCAAAGGCAGTACCAGAAAGGGTGTAGATCAT TCTAATAGGAACCAAGCAACCTTAAATGAAAAACAAAGGTTTCCTAGTAAGGGCAAAAGT CAGGGCCTGCCCATTCCTTCTCGTGGTCTTGATAATGAAATCAAAAACGAAATGGATTCC TTTAATGGCCCCAGTCATGAGAATATAATAACACATGGCAGAAAATATCATTATGTACCC CACAGACAAAATAATTCTACACGGAATAAGGGTATGCCACAAGGGAAAGGCTCCTGGGGT AGACAACCCCATTCCAACAGGAGGTTTAGTTCCCGTAGAAGGGATGACAGTAGTGAGTCA TCTGACAGTGGCAGTTCAAGTGAGAGCGATGGTGACTAG
Restriction Sites:	Please inquire
ACCN:	NM_001184695

View online »

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001184695.1, NP_001171624.1
RefSeq Size:	2113 bp
RefSeq ORF:	1239 bp
Locus ID:	56955
UniProt ID:	Q9NQ76
Cytogenetics:	4q22.1
Protein Families:	Secreted Protein
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 (3) lacks an alternate exon and contains an alternate exon, resulting in the use of a downstream start codon compared to variant 6. The encoded isoform (b) has a shorter N-terminus compared to isoform c. Variants 3, 4, and 5 encode the same protein. 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.