

Product datasheet for **SC101157**

MPP7 (NM_173496) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MPP7 (NM_173496) Human Untagged Clone
Tag:	Tag Free
Symbol:	MPP7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_173496, the custom clone sequence may differ by one or more nucleotides

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ATGCCAGCTTTGTCAACGGGATCTGGGAGTGACACTGGTCTGTATGAGCTGTTGGCTGCTCTGCCAGCCC
AGCTGCAGCCACATGTGGATAGCCAGGAAGACCTGACCTTCTCTGGGATATGTTTGGTAAAAAAGCCT
GCATTCATTGGTAAAGATTTCATGAAAACTACACTACTATGAGAAGCAGAGTCCGGTGCCATTCTCCAT
GGTGCGGCGGCCTTGGCCGATGATCTGGCCGAAGAGCTTCAGAACAAGCCATTAACAGTGAGATCAGAG
AGCTGTTGAAACTACTGTCAAAACCCAATGTGAAGGCTTTGCTCTCTGTACATGATACTGTGGCTCAGAA
GAATTACGACCCAGTGTTCCTCTATGCCTGAAGATATTGACGATGAGGAAGACTCAGTAAAAATAATC
CGTCTGGTCAAAAATAGAGAACCCTGGGAGCTACCATTAAGAAGGATGAACAGACCCGGGCGATCATTG
TGGCCAGAATCATGAGAGGAGGAGCTGCAGATAGAAGTGGTCTTATTCATGTTGGTGATGAACCTAGGGA
AGTCAACGGGATACCAGTGGAGGATAAAAAGCCTGAGGAAATAATACAGATTTTGGCTCAGTCTCAGGGA
GCAATTACATTTAAGATTATACCCGGCAGCAAAGAGGAGACACCATCAAAAGAAGGCAAGATGTTTATCA
AAGCCCTCTTTGACTATAATCCTAATGAGGATAAGGCAATTCATGTAAGGAAGCTGGGCTTTCTTTCAA
AAAGGGAGATATTCTTCAGATTATGAGCCAAGATGATGCAACTTGGTGGCAAGCGAAACAGGAAGCTGAT
GCCAACCCAGGGCAGGCTTGATCCCCTCAAAGCATTTCAGGAAAGGAGATTGGCTTTGAGACGACCAG
AAATATTGGTTCAGCCCTGAAAGTTTCCAACAGGAAATCATCTGGTTTTAGAAAAAGTTTTCGTCTTAG
TAGAAAAGATAAGAAAACAAATAAATCCATGTATGAATGCAAGAAGAGTGATCAGTACGACACAGCTGAC
GTACCCACATACGAAGAAGTGACACCGTATCGGCGACAACTAATGAAAAATACAGACTCGTTGTCTTGG
TTGGTCCCGTGGGAGTAGGGCTGAATGAACTGAAACGAAAGCTGCTGATCAGTACACCCAGCACTATGG
CGTGACAGTGCCCATACCACCAGAGCAAGAAGAAGCCAGGAGAGTGATGGTGTGAATACATTTTCATT
TCCAAGCATTGTGTTGAGACAGATGTACAAAATAACAAGTTTATTGAATATGGAGAATATAAAAACACT
ACTACGGCACAAGTATAGACTCAGTTCGGTCTGTCCTTGCTAAAAACAAGTTTGTGTTGGATGTTCA
GCCTCATACAGTGAAGCATTTAAGGACACTAGAATTTAAGCCCTATGTGATATTTATAAAGCCTCCATCA
ATAGAGCGTTTGAGAGAAAACAAGAAAAATGCAAAGATTATTTCAAGCAGAGATGACCAAGGTGCTGCAA
AACCCCTCACAGAAGAAGATTTTCAAGAAATGATTAATCTGCACAGATAATGAAAGTCAATATGGTCA
TCTTTTGGACAAAATTATAATAATGATGACCTCACTGTGGCATTCAATGAGCTCAAAACAACCTTTTGC
AAATTAGAGACAGAGACCCATTGGGTGCCAGTGAGCTGTTACATTCATAA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_173496 unedited

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CGCGAATTCGGCACGAGGCGCGGCGGTGCCGAGCCCGCTGGCTCCCGATTGTCCTCTGC
GGCGGTGGCGGTGCCTGCCTCCTTGCCCTCCGGGCCCGGGCTGCAGGGGCCAGAGCGAGT
GCGCCTCTGCCCGGACCGCGGCAGCCAGAGCAGATTTCTTACTGCATAAACTCAA
CTGCTCTCACTGAGGTCGTCATTAAGTCCTGTGTGTGTTTGGGCAGGCCGACTTGATTTA
CAGCCAGCACTCCACTGCGGAAACGGCTTACAAAATATACAGATCTTGGTAGACAACGTG
GCTGCAGGCTGTTGAATTGGAATCCCTGTGGCTGTCCGAAGGCAGGGTGTCCGGAGAGC
GGTGGGCTGACCTGTTCCCTACACCTTGATCATGCCAGCTTTGTCAACGGGATCTGGGAG
TGACACTGGTCTGTATGAGCTGTTGGCTGCTCTGCCACCCAGCTGCAGCCACATGTGGAT
AGCCAGGAAGACCTGACTTTCCTCTGGGATATGTTTGGTAAAAAGCCTGCATTCATTGG
TAAAGATTTCATGAAAACTACACTACTATGAGAAGCAGAGTCCGGGGCCATTCTCCATG
GGTGCGGCGGCTCTGGCCGATGATCTGGCCGAANAAGCTTCAAACCAAGCCATAAGCAG
GTGAAATCAGAGAGGCTGTGAACTACTGGCAAAACCCATGGTGAGGGCTTTGCTCTCTG
AACATAATAA
    
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Restriction Sites: NotI-NotI
ACCN: NM_173496
Insert Size: 5000 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:	NM_173496.2 , NP_775767.1
RefSeq Size:	5207 bp
RefSeq ORF:	1731 bp
Locus ID:	143098
UniProt ID:	Q5T2T1
Cytogenetics:	10p12.1
Protein Families:	Druggable Genome
Gene Summary:	<p>The protein encoded by this gene is a member of the p55 Stardust family of membrane-associated guanylate kinase (MAGUK) proteins, which function in the establishment of epithelial cell polarity. This family member forms a complex with the polarity protein DLG1 (discs, large homolog 1) and facilitates epithelial cell polarity and tight junction formation. Polymorphisms in this gene are associated with variations in site-specific bone mineral density (BMD). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>