

## Product datasheet for SC117007

### OMD (NM\_005014) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	OMD (NM_005014) Human Untagged Clone
Tag:	Tag Free
Symbol:	OMD
Synonyms:	OSAD; SLRR2C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117007 sequence for NM_005014 edited (data generated by NextGen Sequencing)

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ATGGGTTTTTTAAGTCCAATATATGTTATTTTCTCTTTTTGGAGTCAAAGTACATTGC
CAATATGAAACTTATCAGTGGGATGAAGACTATGACCAAGAGCCAGATGATGATTACAA
ACAGGATTTCCATTTTCGTCAAAATGTAGACTACGGAGTTCCTTTTCATCAGTATACTTTA
GGCTGTGTGAGTGAATGCTTCTGTCCAATAACTTTCCATCATCAATGACTGTGATAAT
CGCAAACCAAGACTATCCCAAATATTCCGATGCACATTCAGCAACTCTACCTTCAGTTC
AATGAAATTGAGGCTGTGACTGCAAATTCATTCATCAATGCAACTCATCTAAAGAAATT
AACCTCAGCCACAACAAAATTAATCTCAAAGATTGATTATGGTGTGTTTGCTAAGCTT
CCAAATCTACTACAACCTCATCTAGAGCATAATAATTTAGAAGAATTTCCATTTCTCTT
CCTAAATCTCTGAAAGACTCCTTCTTGGTTACAATGAAATCTCAAACCTGCAGACAAAT
GCTATGGATGGGCTAGTAAACTTGACCATGCTTGATCTCTGTTATAATTATCTTCATGAT
TCTCTGCTAAAAGACAAAATCTTTGCCAAAATGGAAAACTAATGCAGCTCAACCTCTGC
AATAACAGATTAGAATCAATGCCTCCTGGTTTGCCTTCTTCACTTATGTATCTGTCTTTA
GAAAATAATTCAATTTCTCTATACCCGAAAAATACTTCGACAAAACCTCCAAAACCTCAT
ACTCTAAGAAATGTCACACAACAACTACAAGACATCCCATATAATTTTTAATCTTCCC
AACATTGTAGAACTCAGTGTGGACACAACAAATGAAGCAAGCATTCTATTTCCAAGA
AATTTGGAACACCTATACCTACAAAATAATGAAATAGAAAAGATGAATCTTACAGTGATG
TGTCTTCTATTGACCCACTACATTACCACCATTTAACATACATTCGTGTGGACAAAAT
AAACTAAAAGAACCAATAAGCTCATACATCTTCTTCTGCTTCCCTCATATACACACTATT
TATTATGGTGAACAACGAAGCACTAATGGTCAAACAATACAACTAAAGACACAAGTTTTTC
AGGAGATTTCCAGATGATGATGATGAAAGTGAAGATCACGATGATCCTGACAATGCTCAT
GAGAGCCAGAACAAAGAAGGAGCAGAAGGGCACTTTGACCTTCATTATTATGAAAATCAA
GAATAG

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Clone variation with respect to NM\_005014.2  
662 g=>a



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_005014 unedited  
 TTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAAGGAATTCATCAACCC  
 TGAAACTAAAGCAAATTGAACAGGGAAAAAAAAAAGAAGATGGGTTTTTAAAGTCCA  
 ATATATGTTATTTCTTCTTTTTGGAGTCAAAGTACATTGCCAATATGAAACTTATCAG  
 TGGGATGAAGACTATGACCAAGAGCCAGATGATGATTACCAAACAGGATCCCATTTTCGT  
 CAAAATGTAGACTACGGAGTTCCTTTTCATCAGTATACTTTAGGCTGTGTCAGTGAATGC  
 TTCTGTCCAACCTAACTTTCCATCATCAATGTACTGTGATAATCGCAAACCTCAAGACTATC  
 CCAAATATTCCGATGCACATTCAGCAACTCTACCTTCAGTTCAATGAAATTGAGGCTGTG  
 ACTGCAAATTCATTATCAATGCAACTCATCTTAAAGAAATTAACCTCAGCCACAACAAA  
 ATTAAATCTCAAAAGATTGATTATGGTGTGTTGCTAAGCTTCCAAATCTACTACAACT  
 CATCTAGAGCATAATAATTTAGAAGAAATTCATTTCTCTTCTAAATCTCTGGAAAGA  
 CTCCTTCTGGTTACAATGAAATCTCCAACTGCAGACAAATGCTATGGATGGGCTAGTA  
 AACTTGACCATGCTTGATCTCTGTATAATTATCTTCATGATTCTCTGCTAAAAGACAAA  
 ATCTTTGCCAAAATGGAAAACTAATGCAGCTCAACCTCTGCAATAACAGATTANAATCA  
 ATGCCCTCTGGNNTGCCTTCTTCACTTATGNATCTGNCTTTAGAATAATTCATTTCTTC  
 TATACCCGANNAATACTCGACAACCTCCAAAACCTCATACTCTAGAATGTCACACACAAC  
 TACAGACTCCATATATATTTTAACTTCCACATGTAACCTCG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_005014 unedited  
 TGAACCGCGCACGCAATCTAGTGTGAGTTTTTTTTTTTTTTTTTTTGGATATGGACTTTT  
 GCTCTTGTGCCAGGCTGGAGTGAATGGCATGGTCTTGGCTCACCGCAACTTCTGCCT  
 CTTGGGTTAAGCAATTCTCTGCCTCAGCCTCGCAAGTAGCCGGGATTACAGGCATGTG  
 CCACCATGCCTGGCTAATTATTTGTATTTTAGTAGAGATGGGGTTTCTCCATGTTGGT  
 CAAGCTGGTCTCAAACCTCCGACCCAGGTGATCCACCTAACTCGGCCTCCAAAGTGCT  
 GGGATTACAGGTGTGAGCTAATGCGCCGACTATATGTAACCTTTTTAAGGAACTTC  
 CATACTGCTTTTCTAAGCAGCTGCAATTTTACTCCTTCCAAAGGTGTATGAAGGCTC  
 CAATTTTTCCACATCTTGCCAACACTTGTATTGTTGCTGCCTTTTGATTTACAGCTATCCT  
 AGTGAGCACATAGTAATATCTCATTATTTGCATTTCCCTAATGGCTCATAAATTTTAA  
 TTGCTCTAGGTTAAGAATTGTCTTATCTTTGTTTTCTAAAACACCTATAGTATTTCCAC  
 GTATTAACCTCTTAATGTTTGAATCTATATCTGTATTTAAAAATTGCAAGAAAAAGGAA  
 GGGGGCCTTAAGATTTTTTTAACCTCTGTTGAAAATGTGCTTTGCCCATATTGTTGCA  
 TCATAGGTGCACATTGTACTTCTGTTATTGATCCCTTTTGGCAAGCCCTATATAAGAAA  
 AGGACTTGAGAAAAGTTGATTAACAACAAAGAAATGGAGTTTTCTCCTATTCTCCCGATACTT  
 GAGGTGCCCTGGGAAAAGAACCTTCTGTTCTGAAATGGCAAAATCCCCAAGAACGGAA  
 AAACCTAAGAACTCACTTTAAACGGTTTTCCAAAAAAAACCTGCAGCTTAAAAAATCTG  
 AGAAAACCTAACTGGCTTGCCTGCAAA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_005014

**Insert Size:**

3460 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\\_005014.1](#), [NP\\_005005.1](#)

**RefSeq Size:** 2263 bp

**RefSeq ORF:** 1266 bp

**Locus ID:** 4958

**UniProt ID:** [Q99983](#)

**Cytogenetics:** 9q22.31

**Domains:** LRRNT, LRR, LRR\_TYP, LRR\_PS

**Protein Families:** Secreted Protein

**Gene Summary:** May be implicated in biomineralization processes. Has a function in binding of osteoblasts via the alpha(V)beta(3)-integrin (By similarity).[UniProtKB/Swiss-Prot Function]