

Product datasheet for **SC308463**

ZP1 (NM_207341) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	ZP1
Synonyms:	HEL163; OOMD; OOMD1
Vector:	<u>pCMV6 series</u>



Fully Sequenced ORF: >NCBI ORF sequence for NM_207341, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGGAGGCTCAGCCACGACCTGGGGTTACCCTGTGGCCCTGCTACTGCTGGTTGCC
ACCCCTGGGGCTGGGTAGGTGGCTCCAGCCCGACCCTGGCCTCCAGGCCCTCCGGCACAGC
TACGACTGTGGGATCAAGGGAATGCAGCTGCTGGTGTCCCCAGGCCAGGCCAGACTCTC
CGCTTCAAGGTGGTGGATGAATTTGGGAACCGATTGTGATGTCAACAACCTCCATCTGC
TACCACTGGGTACCTCCAGGCCGAGGAGCTGCAGTCTTCTCGGCCGATTACAGAGGC
TGCCACGTGCTGGAGAAGGATGGGCGTTTCCACCTGAGGGTGTTCATGGAGGCTGTGCTG
CCCAATGGTCGTGTGGATGTGGCACAAGACGCTACTCTGATCTGTCCCAACCTGACCCC
TCCCGGACTCTGGACTCCAGCTGGCACCACCCGCCATGTTCTCTGTCTCAACCCACAA
ACCCTTTCTTCTCCCACTCTGGCCATACCTCCCAAGGCTCTGGCCATGCCTTTCCC
AGCCCACTGGACCCAGGGCACAGCTCTGTCCACCAACCCCTGCTTTACCATCCCTGGA
CCTGGACCTACCCTCGCCACCCTGGCTCAACCCCACTGGGGCACCTTGAACACTGGGAT
GTGAACAAACGAGATTACATAGGTACCCACCTGAGCCAGGAGCAGTGCCAGGTGGCCTCA
GGGCACCTCCCTGCATCGTGAGAAGAACTTAAAAGAAGCCTGTCAGCAGGCTGGCTGC
TGCTATGACAACACAGAGAGGTTCCCTGTTACTATGGCAACACAGCTACTGTCCAGTGC
TTCAGAGATGGCTACTTCGTCTCTAGTGTCCCAAGAAATGGCCTTGACACACAGGATC
ACACTGGCCAAACATCCACCTGGCCTATGCCCCACAGCTGCTCCCAACACAGCACAG
GAAGCTTTCGTGGTCTTCTACTTCCCTCTACCCACTGTGGAACCAATGCAGGTGGCT
GGCGACCAAGCTCATCTATGAGAACTGGCTGGTGTCTGGCATCCACATCCAAAAGGGCCA
CAGGGTTCCATCAGCGGGACAGCACCTTCCAGCTTCATGTGCGCTGTGTCTTCAACGCC
AGTGACTTCTGCCATTACAGGCATCCATTTCCACCCCATCGCCTGCTCCTATGACC
CAGCCCGGGCCCTGCGGCTTGAGCTGCGGATTGCCAAGACGAGACCTTCAGCTCGTAC
TATGGGGAGGATGACTATCCCATCGTGAGGCTGCTCCGAGAACAGTCCATGTGGAGGTC
CGGCTTCTGCAGAGGACAGACCCCAACCTGGTCCTGCTGCTGCACCAAGTGTGGGGCGCT
CCCAGTGCCAACCCCTTCCAGCAGCCCACTGGCCATCCTGTGACAGGATGCCCTTTC
AAGGGCGACAGCTACAGAACCCTAAATGGTAGCCTTGGACGGGGCCACACCTTTCAGTCG
CACTACCAGCGATTCACTGTTGCTACCTTCGCCCTCCTGGACTCAGGCTCCAGAGAGCC
CTCAGAGGACTGGTTTACTTGTCTGCAGCACCTCTGCCTGCCACACCTCAGGGCTGGAG
ACTTGTCTCACTGCATGTAGCACTGGCACTACAAGACAGCGACGATCCTCAGGTACCGT
AATGACACTGCCAGGCCCGAGACATCGTGAGCTCTCCGGGCCAGTGGGCTTTGAGGAT
TCTTATGGGCAGGAGCCACACTTGGGCCACAGACTCCAATGGGAACCTCAGCCTGAGA
CCTCTCCTTTGGGCGGTCTTTTGCTGCCAGCTGTTGCCCTGGTCTTGGGTTTGGTGTC
TTTGTGGGCTGAGCCAGACCTGGGCCAGAGCTCTGGGAAAGCAACAGACAGTGA

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Restriction Sites: Please inquire

ACCN: NM_207341

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_207341.2, NP_997224.2</u>
RefSeq Size:	1972 bp
RefSeq ORF:	1917 bp
Locus ID:	22917
UniProt ID:	<u>P60852</u>
Cytogenetics:	11q12.2
Protein Families:	Transmembrane
Gene Summary:	The zona pellucida is an extracellular matrix that surrounds the oocyte and early embryo. It is composed primarily of three or four glycoproteins with various functions during fertilization and preimplantation development. The protein encoded by this gene ensures the structural integrity of the zona pellucida. Mutations in this gene are a cause of oocyte maturation defect and infertility. [provided by RefSeq, May 2014]