

Product datasheet for **MC221001**

Zp2 (NM_011775) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zp2 (NM_011775) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zp2
Synonyms:	Zp-; Zp-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221001 representing NM_011775
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGAGGTGGCAGAGGAAAGCATCTGTAAGCTCTCCGTGCGGCAGGAGCATCTACAGTTTCTTTCCC
 TCTTATTCACCCTTGTGACTTCAGTGAAGCTCAGTAAGCCTTCTCAGTCCGAGAATCCTGCCTTCCAGG
 CACTCTCATTGTGACAAAGACGAAGTGAATTTGAATTTCAAGCAGATTTGACATGGAAAAATGGAAT
 CCTTCTGTGGTGGATACCCTTGGTAGTGAATTTGAACTGCACTTATGCTCTGGACTTGGAAAGGTTCTG
 TCCTGAAGTTCCCTTACGAGACCTGCACTATAAAAGTGGTTGGTGGATACCAGGTGAACATCAGAGTGGG
 GGACACCACCCTGATGTGAGATATAAAGATGACATGTATCATTCTTCTGTCCAGCTATCAAGCAGAG
 ACCCATGAGATTTAGAAATTTGTCTGCAGGAGAGATCTAATATCTTTTTCTTTCCACAACCTTTTCT
 CTAGGCTTGTGATGAAAACAGAAATGTATCTGAGATGGGATGGATTGTTAAGATTGGCAATGGTACAAG
 AGCCACATTCTGCCCTGAAGGATGCCATAGTACAAGGATTTAATCTTCTGATTGACAGCCAGAAAAGTA
 ACTCTCCACGTGCCAGCCAATGCTACTGGAATAGTTCACTATGTGCAAGAGAGCAGCTATCTCTATACTG
 TGCAGCTGGAGCTCTTGTCTCAACCCTGGGCAGAAGATCGTCTTCTCATCACACGCTATCTGCGCACC
 AGATCTTCTGTGGCTTGAATGCTACACACATGACTCTCACTATACCAGAAATTTCTGGGAAGCTAGAG
 TCTGTGGACTTTGGACAATGGAGCATCCCTGAGGACCAATGGCATGCCAATGGAATTGACAAAGAAGCAA
 CAAATGGCTTGAGATTGAATTTAGAAAATCTCTCCTGAAAACCTAAACCTCTGAAAAATGTCCATTCTA
 CCAGTTCTACCTCTTCACTCAAGCTGACCTTCACTTCCAAGGGAACATGCTATCCACAGTGATAGAT
 CCTGAGTGCCACTGTGAGTCACCAGTCTCTATAGATGAAGTGTGTGCACAGGATGGGTTTATGGACTTTG
 AGGTCTACAGCCACCAAAACAAACCCGCACTGAACCTGGACACCCTCTGGTGGGAAATTCCTCTTGCCA
 GCCTATTTTCAAGGTGCAGTCTGTGGGGCTTGCAAGTTTTCACATACCTCTGAATGGATGTGGAACAAGG
 CAGAAATTTGAAGGTGATAAAGTCATCTATGAGAATGAAATACATGCTCTCTGGGAAAACCCACCCTCCA
 ACATTGTATTAGAAACAGCGAGTTCAGGATGACAGTAAGATGCTATTACATCAGAGACAGTATGCTACT
 AAATGCCCATGTCAAAGGACATCCTTCTCCAGAGGCCCTTGTAAAGCCAGGCCCACTGGTGTGGTCCTA
 CAAACATACCCAGACCAATCCTACCAACGGCCTTACAGGAAGGATGAGTACCCTCTAGTGAGGTACCTCC
 GCCAGCCAATCTACATGGAAGTGAAGGTCTTGAGCAGGAACGATCCCAACATCAAGCTGGTCTTAGATGA
 CTGCTGGGCAACTTCTTCTGAGGACCCGGCCTCTGCGCCTCAGTGGCAGATTGTCATGGATGGCTGTGAA
 TATGAAGTGGACAACCTACCGCACTACTTCCACCCAGCTGGCTCCTCTGCAGCCATTCCGGTCACTACC
 AGAGGTTTGTGATGTAAGACTTTTGCCTTTGTATCAGAGGCACGGGGCTCTCCAGCTGATCTACTCCA
 CTGCAGTGCCTTGATCTGTAACCAAGTCTCTTGGACTCCCTCTGTGCTCTGTGACTTGCCTGCATCA
 CTGAGGAGCAAACGAGAGGCCAAACAAAGAAGACACAATGACGGTTAGCCTTCCAGGACCTATTCTTTGC
 TGTGAGATGTCTTTCATCCAAAGGTGTTGACCCAGCAGCTCTGAGATTACCAAGGATATTATTGCCAA
 GGATATTGCTTCTAAAACATTGGGTGCTGTGGCTGCACTAGTGGGCTCAGCTGTCATTCTAGGCTTCATC
 TGTTACCTGTATAAGAAAAGAACTATAAGGTTCAATCAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_011775
Insert Size: 2142 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:	<u>NM_011775.6</u> , <u>NP_035905.1</u>
RefSeq Size:	2200 bp
RefSeq ORF:	2142 bp
Locus ID:	22787
UniProt ID:	<u>P20239</u>
Cytogenetics:	7 64.38 cM
Gene Summary:	This gene encodes a member of the zona pellucida family of glycoproteins that play an important role in the survival of growing oocytes, successful fertilization and the passage of early embryos through the oviduct. The encoded preproprotein undergoes proteolytic processing to generate the mature polypeptide that is incorporated into the extracellular matrix surrounding mouse oocytes. Mice lacking the encoded protein develop defective zonae pellucidae that disrupt folliculogenesis, fertility and development. [provided by RefSeq, Sep 2016]