

Product datasheet for **MC219813**

Zp1 (NM_009580) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zp1 (NM_009580) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219813 representing NM_009580
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCTGGGTTGTTTTGTGGTCTGCTTCTGCTGGCGCAGCTCCCCTGAGATTGGGTACAGCCTGC
 ATCTCAGCCTGGCTTTGAATACAGCTATGACTGTGGGTACGGGCATGCAGCTGCTGGTGTCCCTAG
 GCCAAACCAGACTGTCCAATTCAAGGTGCTGGATGAATTTGGGAACCGTTTGAGGTGAATAACTGCTCT
 ATCTGCTACCACTGGGTGACCAGTGAGGCCAGGAGCACACAGTATTCTCAGCTGATTACAAAGGCTGCC
 ACGTTCTAGAGAAGGATGGGCGTTCCACCTGAGGGTGTTCATACAAGCCGTCCTACCCAATGGCCGTGT
 GGATATAGCACAAGATGTCACACTGATCTGTCCAAACCAGACCACCCGTGACTCCGGACCCTACCTG
 GCTCCACCACACCTGAGCCTTTTACACCTCATGCTTTTGCCTTACCCCCATCCCTGACCACCT
 TGGCTGGGTCTGGCCACACTGGTCTCACTACGTTGTACCCAGAACAGAGCTTCATCCATCCAACCTCTGC
 TCCGCCATCCCTAGGACCTGGACCTGCTGGATCCACTGTACCTCACTCCCAATGGGGCAGCTGGAGCCC
 TGGGAATTGACTGAGCTGGATTCTGTAGGTACCATCTGCCCCAGGAGCGGTGCCAGGTAGCCTCCGGGC
 ACATCCCATGCATGGTAAATGGAAGTTCCAAGGAAACCTGTCAGCAGGCTGGCTGCTGCTATGACAGTAC
 CAAAGAAGAGCCCTGTTACTATGGCAACACAGTCACTCTCCAGTGTTCAAAAGTGGCTACTTTACCTTG
 GTCATGTCACAAGAAACAGCCTTGACACATGGAGTCTGCTAGACAATGTCCACCTGGCCTATGCCCCCA
 ACGGATGCCCCCTACCCAGAAGACAAGTGCTTTTGTGGTCTTCCATGTCCTCTCACCTCTGTGGAAC
 AGCAATCCAGGTGGTCGGCGAACAACTCATCTATGAGAACCAGCTGGTGTCTGACATTGATGTCCAAAAG
 GGGCCACAGGGTCCATCACTCGGGACAGTGCCTCCGGCTTCATGTTGCTGCATCTTCAATGCTAGCG
 ATTTCTGCCCATCCAGGCATCTATCTTCTCACCCCAACCACCTGCCCTGTGACTCAATCTGGACCCCT
 GAGGCTGGAGCTGAGGATTGCCACGGATAAGACTTTCAGCTCCTACTATCAGGGGAGTACTATCCCTT
 GTGAGACTGCTCCGGGAACAGTCTATGTAGAGTCCGACTCCTGCAGAGAACTGATCCAGTCTGGTTC
 TGGTGCTACACCAGTGTGGCCACGCCACCACCAGCCCTTTGAGCAGCCCAATGGCCTATTCTGTC
 AGATGGGTGTCCTTTCAAGGGTGACAACACAGAACACAAGTAGTGGCCGACAGAGGGAGGCGCTTCCC
 TTCTGGTCCCACTATCAGCGCTTACCATCACACCTTCATGCTCCTGACTCCAGCTCCAGAATGCC
 TTAGGGGACAGGTCTATTTCTTGTAGTGCCTTGCTGCCACCCTCTGGGTCTGATACATGCTCTAC
 TACGTGTGACTCTGGGATAGCAAGGCGTCGACGATCCTCTGGTACCACAACATCACTCTCCGGCCCTG
 GATATTGTAAGCTCTCCAGGGCAGTGGGCTTTGAGGATGCTGCTAAACTTGAGCCCTCAGTTCCAGCA
 GGAACCTCAGCTCAAGAATGCTGCTCCTGCTGCTGGCCATCACCTAGCCCTGGCGGCCGGGATCTTTGT
 GGGTCTGATCTGGGCTGGGCCAGAAGCTCTGGGAAGGCATCAGATAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_009580
- Insert Size:** 1872 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_009580.2](#), [NP_033606.2](#)

RefSeq Size: 1925 bp

RefSeq ORF: 1872 bp

Locus ID: 22786

UniProt ID: [Q62005](#)

Cytogenetics: 19 7.36 cM

Gene Summary: The mammalian zona pellucida, which mediates species-specific sperm binding, induction of the acrosome reaction and prevents post-fertilization polyspermy, is composed of three to four glycoproteins, ZP1, ZP2, ZP3, and ZP4. ZP1 ensures the structural integrity of the zona pellucida.[UniProtKB/Swiss-Prot Function]