

Product datasheet for **MC209670**

Zp3 (NM_011776) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Zp3 (NM_011776) Mouse Untagged Clone
Tag: Tag Free
Symbol: Zp3
Synonyms: Zp-3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209670 representing NM_011776
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGTCAAGCTATTTCTCTCTTTGTCTCCTGTGTGGAGGCCCGAGCTGTGCAATCCCAGA
 CTCTGTGGCTTTTGCCGGTGGAACTCCCACCCAGTGGGTCTCATCACCTGTGAAGGTGAGTGTCT
 GGAAGCTGAAGTGTGGTACTGTCAGTAGAGACCTTTTGGCACGGGAAGCTGGTGCAGCCCGGGGAC
 CTACCCTTGGCTCAGAGGGTTGTCAGCCCGGGTGTCCGTGGATACCGACGTGGTCAAGGCC
 AGTTGCACGAGTGCAGCAGCAGGGTGCAGATGACGAAAGATGCCCTGGTGTACAGCACCTTCTACTCCA
 CGACCCTCGCCCTGTGAGTGGCCTGTCCATCCTCAGGACTAACCGTGTGGAGGTACCCATTGAGTGCCGA
 TACCCAGGCAGGGCAATGTGAGCAGCCACCCTATCCAGCCACCTGGGTTCCCTTCCAGGCCACTGTGT
 CCTCAGAGGAGAACTGGCTTTCTCTTTCGCCTGATGGAGGAGAACTGGAATACTGAGAAATCGGCTCC
 CACCTTCCACCTGGGAGAGGTAGCCACCTCCAGGCAGAAGTCCAGACTGGAAGCCACCTGCCGCTGCAG
 CTGTTTGTGGACCACTGCGTGGCCACGCCTTACCTTTGCCAGACCCGAACCTCTCCCTATCACTTCA
 TCGTGGACTTCCACGGTTGCCTTGTGGATGGTCTATCTGAGAGCTTTTCGGCATTTCAGTCCCGACAG
 CCGGCCAGAGACTCTCCAGTTCACGGTGGATGTATTCCATTTTGCCAACAGCTCCAGAAATACGCTCTAC
 ATCACCTGCCATCTCAAAGTCGCGCCAGCTAACAGATCCCCGATAAGCTCAACAAGCCTGTTCTGTTCA
 ACAAGACTTCCCAGAGTTGGTTGCCAGTAGAGGTGATGCTGACATCTGTGATTGCTGCAGCCATGGCAA
 CTGTAGTAATTCAAGCTTTCACAGTTCAGATCCATGGACCCCGCCAGTGGTCCAAGCTAGTTTCTCGA
 AACCGCAGGCACGTGACCAGTGAAGCTGATGCTACTGTAGGGCCCTGATATTCTTGGAAAGGCCAACG
 ACCAGACTGTGGAAGGCTGGACTGCTTCTGCTCAAACCTCTGTGGCTCTTGGGTTAGGCCTGGCCACAGT
 GGCATTCTGACCCTGGCAGCTATAGTCTTGTGTACCAGGAAGTGTCACTCCTTCTCTACCTTGTA
 TCCCTTCCGCA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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|-------------------------------|---|
| Restriction Sites: | Sgfl-Mlul |
| ACCN: | NM_011776 |
| Insert Size: | 1275 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_011776.1 , NP_035906.1 |
| RefSeq Size: | 1317 bp |
| RefSeq ORF: | 1275 bp |
| Locus ID: | 22788 |
| UniProt ID: | P10761 |
| Cytogenetics: | 5 75.62 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. ZP3 is essential for sperm binding and zona matrix formation.[UniProtKB/Swiss-Prot Function] |