

## Product datasheet for MR221699

### Zpbp (NM\_015785) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Zpbp (NM_015785) Mouse Tagged ORF Clone                           |
| Tag:                      | Myc-DDK   |
| Symbol:                   | Zpbp  |
| Synonyms:                 | 4930486K01Rik; lam38; Sp38  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| ORF Nucleotide Sequence:  | >MR221699 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGTACCCAAGCTGGGTCCCAAGCTAGCACACCTCCCGCACATCACCCGAGCGGAAGTGGCGGTCCG  
TCGGTCCGTCTTCCGGCTGCCGTCTGCCAATTCCGGCGCGGGTGGCGCGCCAGGTAACGACCT  
TCTGCGCCGAGGCTCGGCCGTGGCGCGGTGGATGGAGGCTTGGCCCGGGCCGGGCTCCGCGGGC  
CGCGGGCGGGCCGGGCTCGGGCTCCGTGCTCTCGCCGCTGTCGCTGGCCGCCGTCTGCTCTGCGCT  
TGCTGCGGGCGCCCTGCAGTTGGACATTTGGCTCGACTGCCAAGAAGTATCCACTTGACTCAAGATTC  
ACTGAAAATAGTGGGATCGACACATTTTCTGTGAGCGTATATGTTATGCTTCATCAAAGAGTCCACAT  
GTGCTATGTGTAACCAACGACTGAGAAATACAGAGCTGGTAGACCCATCATTCCAATGGATGGGCCAA  
AAGGAAAATTTGTTTACAGAAAATACCACTGCACAAGTGACCTCCACAGGAAGCCTCATATTTACAGGCTT  
TGAAGAGACCATGAGTGGGTTTATACATGTTTCTCGAGTATAAACCAACTGTAGAGGAATCTATTA  
AATCTTCAACTGAAATACATTGTTTATGCTTATCGTGAACCTCGGTTTTATTATCAGTTCACAGCTCGAT  
ACCATGCAGCTCCCTGCAACAGTATCTATAACATTTCTTTGAGAAGAACTTCTCAGATTTTAAAGTAA  
GCTGGTTCTTGACCTTCTGTGAAATATCCTTGATTAAGTCTGAATGCCATCGTGTAAAATGCAAAGA  
GCTGGTTTGAAAATGAATTGTTCTTACATTTTCAAGTTCATATAGACACAGAAAAGGATCCAAGC  
CATGTACAGACCATAGTTGTGAAGCTTCCAAAAGATTATCTAAGGCTAAAATCTCATAGAGAGATTCTT  
CATTACAGCAAGTAGAAGTCTGGCAAGCGTGGGAGCCACTGCCTGAGATATACTACATTGAGGGAACC  
CTTCAGATGGTGTGGTGAACCGCTGCTTCCAGGGTATGGCATAAATGTCTGAAGCATCCAAGTGCC  
CAGAGTGTGTGGTCTGCAGCCCTGGATCCTCAATCCCCGGGATGGAAGTCAATGCCTCCAGTGCAA  
CAACAGCCTGGTGTATGGAGCGAAGACATGCATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >MR221699 protein sequence  
Red=Cloning site Green=Tags(s)

MCTQAGSQASTPPAHHPGSGSASVGPFRPAVCQLPAAGGRAPGNDLLRRGSAVGGVWMEALAPGRAPRG  
 RRRAGASGSVL SPLSLAAVLLCALLRAPPVGHRLARLPRSIHLTQDSLKIVGSTHFPVSVYVMLHQKSPH  
 VLCVTQRLRNTELVDPSFQWHGPKGKLVSENTTAQVTSTGSLIFQSFEETMSGVYTCFLEYKPTVEESIK  
 NLQLKYIVYAYREPRFYQFTARYHAAPCNSIYNI SF EKLLQILSKLVLDL SCEISLIKSECHRVMQR  
 AGLQNELFFTF SVASIDTEKGSKPCTDHSCEASKRLSKAKNLIERFFIQQVEVLGKRAEPLPEIYYIEGT  
 LQMWWVNRCPGYGINVLKHPKCPECCVVCSPGSFNPRDGTGTHCLQCNSLVYGAKTCTM

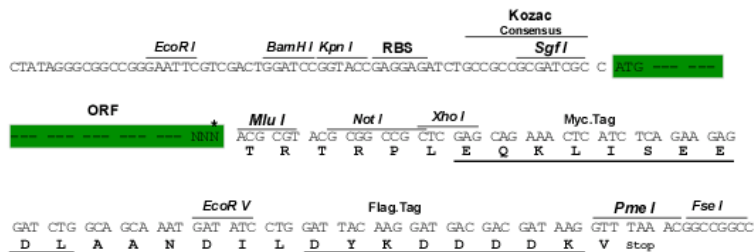
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_015785

**ORF Size:** 1227 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_015785.2](#), [NP\\_056600.1](#)

**RefSeq Size:** 3845 bp

**RefSeq ORF:** 1227 bp

**Locus ID:** 53604

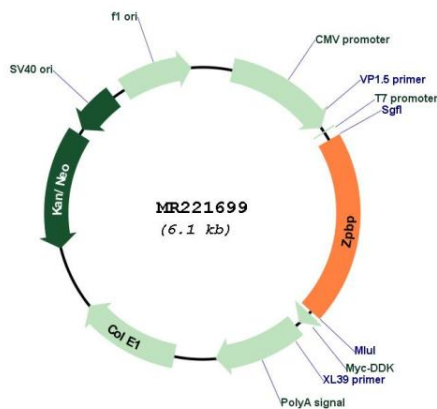
**UniProt ID:** [Q62522](#)

**Cytogenetics:** 11 A1

**MW:** 44.9 kDa

**Gene Summary:** Plays a role in acrosome compaction and sperm morphogenesis. Is implicated in sperm-oocyte interaction during fertilization.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR221699