

Product datasheet for **MG221699**

Zpbp (NM_015785) Mouse Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Zpbp (NM_015785) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Zpbp |
| Synonyms: | 4930486K01Rik; lam38; Sp38 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG221699 representing NM_015785 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGTACCCAAGCTGGGTCCCAAGCTAGCACACCTCCCGCACATCACCCGAGCGGAAGTGGCGGTCCG
TCGGTCCGTCCTCCGGCTGCCGTCTGCCAATTCCGGCGCGGGTGGCGCGCCAGGTAACGACCT
TCTGCGCCGAGGCTCGGCCGTCGGCGCGTGTGGATGGAGCCTTGGCCCCGGCCGGGCTCCGCGGGC
CGCGGGCGGGCCGGGCTCGGGCTCCGTGCTCTCGCCGCTGTCGCTGGCCGCCGTCTGCTCTGCGCT
TGCTGCGGGCCCGCCCTGCAGTTGGACATTTGGCTCGACTGCCAAGAAGTATCCACTTGACTCAAGATTC
ACTGAAAATAGTGGGATCGACACATTTTCTGTGAGCGTATATGTTATGCTTCATCAAAGAGTCCACAT
GTGCTATGTGTAACCAACGACTGAGAAATACAGAGCTGGTAGACCCATCATTCCAATGGCATGGGCCAA
AAGGAAAATTTGTTTCAGAAAATACCACTGCACAAGTGACCTCCACAGGAAGCCTCATATTTTCAGAGCTT
TGAAGAGACCATGAGTGGGTTTATACATGTTTCTCGAGTATAAACCAACTGTAGAGGAATCTATTA
AATCTTCAACTGAAATACATTGTTTATGCTTATCGTGAACCTCGGTTTTATTATCAGTTCACAGCTCGAT
ACCATGCAGCTCCCTGCAACAGTATCTATAACATTTCTTTGAGAAGAACTTCTCAGATTTTAAAGTAA
GCTGGTTCTTGACCTTTCTGTGAAATATCCTTGATTAAGTCTGAATGCCATCGTGTAAAATGCAAAGA
GCTGGTTTGAAAATGAATTGTTCTTACATTTTCAGTTGCATCTATAGACACAGAAAAGGATCCAAG
CATGTACAGACCATAGTTGTGAAGCTTCCAAAAGATTATCTAAGGCTAAAATCTCATAGAGAGATTCTT
CATTTCAGCAAGTAGAAGTCTGGCAAGCGTGGGAGCCACTGCCTGAGATATACTACATTGAGGGAACC
CTTCAGATGGTGTGGTGAACCGCTGCTTCCAGGGTATGGCATAAATGTCTGAAGCATCCAAGTGCC
CAGAGTGTGTGGTCTGCAGCCCTGGATCCTCAATCCCCGGGATGGAAGTCAATTGCCTCCAGTGCAA
CAACAGCCTGGTGTATGGAGCGAAGACATGCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221699 representing NM_015785
 Red=Cloning site Green=Tags(s)

MCTQAGSQASTPPAHHPGSGASVGPFRPAVCQLPAAGGRAPGNDLLRRGSAVGGVWMEALAPGRAPRG
 RRRAGASGVL SPLSLAAVLLCALLRAPPVGHRLARLPRSIHLTQDSLKIVGSTHFPVSVYVMLHQKSPH
 VLCVTQRLRNTELVDPSFQWHGPKGKLVSENTTAQVTSTGSLIFQSFEEETMSGVYTCFLEYKPTVEESIK
 NLQLKYIVYAYREPRFYQFTARYHAAPCNSIYNI SF EKLLQLSKLVLDL SCEISLIKSECHRVMQR
 AGLQNELFFTF SVASIDTEKGSKPCTDHSCEASKRLSKAKNLIERFFIQQVEVLGKRAEPLPEIYYIEGT
 LQMWWNRCFPGYGINVLKHPKCPECCVVCSPGSFNPRDGHCLQCNSLVYGAKTCTM

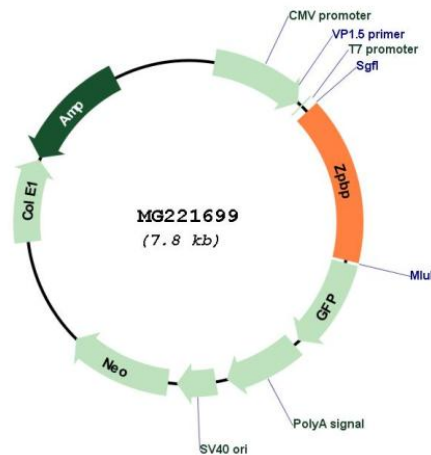
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_015785

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| ORF Size: | 1224 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: | <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_015785.2 , NP_056600.1 |
| RefSeq Size: | 3845 bp |
| RefSeq ORF: | 1227 bp |
| Locus ID: | 53604 |
| UniProt ID: | Q62522 |
| Cytogenetics: | 11 A1 |
| Gene Summary: | Plays a role in acrosome compaction and sperm morphogenesis. Is implicated in sperm-oocyte interaction during fertilization.[UniProtKB/Swiss-Prot Function] |