

Product datasheet for **MG221700**

Zpbp (NM_001185153) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zpbp (NM_001185153) 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:	>MG221700 representing NM_001185153 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGTACCCAAGCTGGGTCCCAAGCTAGCACACCTCCCGCACATCACCCGAGCGGAAGTGGCGCTCCG
TCGGTCCGTCCTCCGGCCTGCCGCTCGCCAACCTCCGGCGCGGGTGGGCGCGCCAGTTGGACATTT
GGCTCGACTGCCAAGAAGTATCCACTTGACTCAAGATTCAGTAAATAGTGGGATCGACACATTTTCT
GTGAGCGTATATGTTATGCTTCATCAAAGAGTCCACATGTGCTATGTGTAACCCAACGACTGAGAAATA
CAGAGCTGGTAGACCCATCATTCCAATGGCATGGGCCAAAAGGAAAACCTGTTTCAGAAAATACCACTGC
ACAAGTGACCTCCACAGGAAGCCTCATATTTAGAGCTTTGAAGAGACCATGAGTGGGGTTTATACATGT
TTCTCGAGTATAAACCAACTGTAGAGGAATCTATTAATAATCTTCAACTGAAATACATTGTTTATGCTT
ATCGTGAACCTCGGTTTTATTATCAGTTCACAGCTCGATACCATGCAGCTCCCTGCAACAGTATCTATAA
CATTTCTTTTGAAGAAGAACTTCTTCAGATTTTAAAGTAAGCTGGTTCCTGACCTTTCCTGTGAAATATCC
TTGATTAAGTCTGAATGCCATCGTGTTAAATGCAAGAGCTGGTTTGCAAAATGAATTGTTCTTCACAT
TTTCAGTTGCATCTATAGACACAGAAAAAGGATCCAAGCCATGTACAGACCATAGTTGTGAAGCTCCAA
AAGATTATCTAAGGCTAAAAATCTCATAGAGAGATTCTTCATTCAGCAAGTAGAAGTCTGGGCAAGCGT
CGGGAGCCACTGCCTGAGATATACTACATTGAGGGAACCCCTCAGATGGTGTGGGTGAACCGCTGCTTTC
CAGGGTATGGCATAAATGTCCTGAAGCATCCCAAGTGCCAGAGTGTGTGGTCTGCAGCCCTGGATC
CTTCAATCCCCGGGATGGAACCTATTGCCTCCAGTGCAACAACAGCCTGGTGTATGGAGCGAAGACATGC
ATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221700 representing NM_001185153
 Red=Cloning site Green=Tags(s)

MCTQAGSQASTPPAHHPGSGASVGPFRPAVCQLPAAGGRAPVGHRLARLPRSIHLTQDSLKIVGSTHFP
 VSYYVMLHQKSPHVL CVTQRLRNTEL VDPSPFQWHGPKGLVSENTTAQVTSTGSLIFQSFEEETMSGVYTC
 FLEYKPTVEESIKNLQLKYIVYAYREPRFYQFTARYHAAPCNSIYNISFEKLLQILSKLVLDLSCIEIS
 LIKSECHRVKMQRAGLQNELFFTF SVASIDTEKGSKPCTDHSCEASKRLSKAKNLIERFFIQQVEVLGKR
 AEPLPEIYYIEGTLQMVVWNRFCPGYGINVLKHPKCECCVVCSPGSFNPRDGHCLQCNNLSLVYGAKT
 M

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001185153

ORF Size: 1053 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_001185153.1](#), [NP_001172082.1](#)

RefSeq Size: 3674 bp

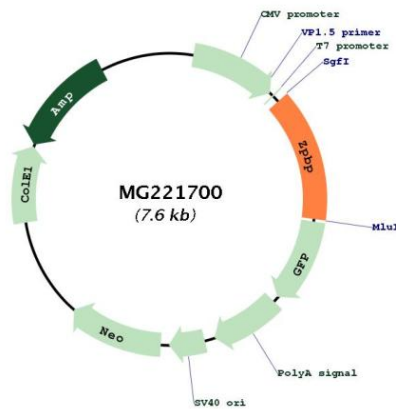
RefSeq ORF: 1056 bp

Locus ID: 53604

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]

Product images:



Circular map for MG221700