

## Product datasheet for **MG218040**

### Zpbp2 (NM\_001166495) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zpbp2 (NM_001166495) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zpbp2
Synonyms:	1700017D11Rik; 2610022C02Rik; ZPBPL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218040 representing NM_001166495 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATATTGATCGTGCCAATAAGAAACAGTGGACCCACCTATTTATGGACTGGGCAAATGAAAACA  
CATTAAAAGGGAATAGCCAGATAAATAACAACACAGGAGAACTGGTACTGAAGGATTTCTGGAGCC  
GTTATCTGGACTTTACTCATGTATGCTTTCCTATAAGACTATCAAAGCAGAAACCAAGAAGAACTATG  
ATAAAGAAGAAATATGACTTTCTGGTCTTTCATATCGGGAACCTGATTATTTACCACATGGCCGTGC  
GTTTTACCACAGGATCTTGTGTAGGAAGACACAATGACCTGCTCTTTAGAGTGCTGAAGAAAATCTTGA  
TAACCTAATCTCTGATTTATTGTCCATGTCATAGAGCCATCATACAAATGCCATTTTGTAAACTCCA  
GAGAGGGACTTCTGTATGAGCTGTTTCATAGCCTTTCAAGTGAATCCTTTTCGCACCGGGCTGGAGAAGTT  
TGTGCAACCGCTCTGCTGACTGTGAAGACATCACGAATCACAACGTCCTCAAGGCGAGAGATCGGATGGA  
AGAATTTTTTCGAAACAAGCACACATTCTACACCATCACTTCAACAGAACGGTCCCAGCTATGCACTTT  
GTGGACCACAGTTTTCAAGTAACACGGATAGACAATTGTCGACCAGGCTTTGGGAAAAACGAAGTCTGC  
ACAGCAATTGTGCTACCTGTTGCGTGGTCTGTAGTCCTGGAACGTTTCAGTCCCAGTGTGGATGTCACCTG  
TCAGATCTGTGTTTCTGTCCATATCTATGGAGCTAAAGCTTGCCCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG218040 representing NM\_001166495  
 Red=Cloning site Green=Tags(s)

MDIDRANKETVDPTYLWTGPNENTLKGNSQINITNTGELVLKDFLEPLSGLYSCMLSYKTIKAETQEETM  
 IKKKYDFLVFAYREPDYSYHMAVRFTTGSCVGRHNDLLFRVLKKILDNLI SDLLCHVIEPSYKCHFVKLP  
 ERDFLYELFIAFQVNPFAFGWRSLCNRSADCEDI TNHNVLKARDRMEEF FRKQAHILHHHFNRTPAMHF  
 VDHSFQVTRIDNCRPGFGKNEGLHSNCATCCVVCSPGTFSPDQVDTVCQICVSVHIYGAKACP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001166495

**ORF Size:** 816 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\\_001166495.1](#), [NP\\_001159967.1](#)

**RefSeq Size:** 1428 bp

**RefSeq ORF:** 819 bp

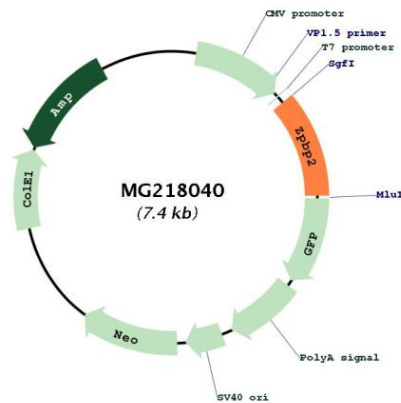
**Locus ID:** 69376

**UniProt ID:** [Q6X786](#)

**Cytogenetics:** 11 D

**Gene Summary:** Is implicated in sperm-oocyte interaction during fertilization.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG218040