

Product datasheet for **MG218034**

Zpbp2 (NM_001166494) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Zpbp2 (NM_001166494) 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: >MG218034 representing NM_001166494
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGATATTGATCGTGCCAATAAGAAACAGTGGACCCACCTATTTATGGACTGGGCAAATGAAAACA
 CATTAAAAGGGAATAGCCAGATAAATAACAAACACAGGAGAACTGGTACTGAAGGATTTCTGGAGCC
 GTTATCTGGACTTTACTCATGTATGCTTTCCTATAAGACTATCAAAGCAGAAACCAAGAAGAACTATG
 ATAAAGAAGAAATATGACTTTCTGGTCTTTCATATCGGGAACCTGATTATTCTTACCACATGGCCGTGC
 GTTTTACCACAGGATCTTGTGTAGGAAGACACAATGACCTGCTCTTTAGAGTGCTGAAGAAAATCTTGA
 TAACCTAATCTCTGATTTATTGTCCATGTCATAGAGCCATCATACAAATGCCATTTTGTTAAACTCCA
 GAGAGGGACTTCTGTATGAGCTGTTTCATAGCCTTTCAAGTGAATCCTTTTCGCACCGGGCTGGAGAAGTT
 TGTGCAACCGCTCTGCTGACTGTGAAGACATCACGAATCACAACGTCCTCAAGGCGAGAGATCGGATGGA
 AGAATTTTTTCGAAACAAGCACACATTCTACACCATCACTTCAACAGAACGGTCCCAGCTATGCACTTT
 GTGGACCACAGTTTTCAAGTAACACGGATAGACAATTGTCGACCAGGCTTTGGGAAAAACGAAGGTCTGC
 ACAGCAATTGTGCTACCTGTTGCGTGGTCTGTAGTCCTGGAACGTTTCAGTCCCAGTGTGGATGTCACCTG
 TCAGATCTGTGTTCTGTCCATATCTATGGAGCTAAAGCTTGCCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG218034 representing NM_001166494
 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_001166494

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_001166494.1](#), [NP_001159966.1](#)

RefSeq Size: 1639 bp

RefSeq ORF: 819 bp

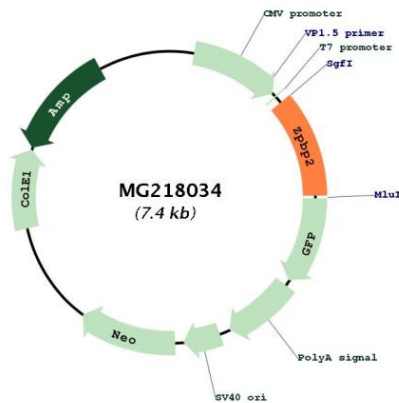
Locus ID: 69376

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 MG218034