

Product datasheet for **MR203246**

Zpbp2 (NM_199419) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zpbp2 (NM_199419) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zpbp2
Synonyms:	1700017D11Rik; 2610022C02Rik; ZPBPL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203246 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTGCCTGGGCCCTACTCTACGCGGTGCTCTGGTCTCTCGCAGGAGTTGGATCGCAACGTTCTTCTCT
TATTCAATATCAAAGCCTTTGTTTACGGCACGGTAGGGCACCCAGTAAAAATATATGTAAAGTTACATCA
GGCTAGTCCTGTCCTTATTTGTATGGATATTGATCGTGCCAATAAAGAAACAGTGGACCCACCTATTTA
TGGACTGGCCAAATGAAAACACATTAAGGGAATAGCCAGATAAATAACAAACACAGGAGAAGCTGG
TACTGAAGGATTTCTGGAGCCGTATCTGGACTTTACTCATGTATGCTTTCCTATAAGACTATCAAAGC
AGAAACCCAAGAAGAACTATGATAAAGAAGAAATATGACTTTCTGGTCTTTGTGAATCCTTTTCGCACCG
GGCTGGAGAAGTTTGTGCAACCGCTCTGCTGACTGTGAAGACATCACGAATCACAAACGCTCAAGGCGA
GAGATCGGATGGAAGAATTTTTTCGAAACAAGCACACATTCTACACCATCACTTCAACAGAACGGTCCC
AGCTATGCACTTTGTGGACCACAGTTTTCAAGTAACACGGATAGACAATTGTGCGACCAGGCTTTGGGAAA
AACGAAGTCTGCACAGCAATTGTGCTACCTGTTGCGTGGTCTGTAGTCTGGAACGTTTCAGTCCCGATG
TGGATGTCACCTGTCAGATCTGTGTTTCTGTCCATATCTATGGAGCTAAAGCTTGCCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203246 protein sequence
 Red=Cloning site Green=Tags(s)

MLAWALLYAVLWSLAGVGSQRSSLFNIKGFVYGTVGHPVKIYVKLHQASPVLICMIDRANKETVDPTYL
 WTGPNENTLKGNSQININTGELVLKDFLEPLSGLYSCMLSYKTIKAETQEETMIKKKYDFLVFVNPFP
 GWRSLCNRSDCEDITNHNVLKARDRMEEFFRKQAHILHHHFNRTPAMHFVDHSFQVTRIDNCRPGFGK
 NEGLHSNCATCCVVCSPGTFSPDVDVTCQICVSVHIYGAACAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_199419

ORF Size: 762 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_199419.3](#), [NP_955451.2](#)

RefSeq Size: 1300 bp

RefSeq ORF: 762 bp

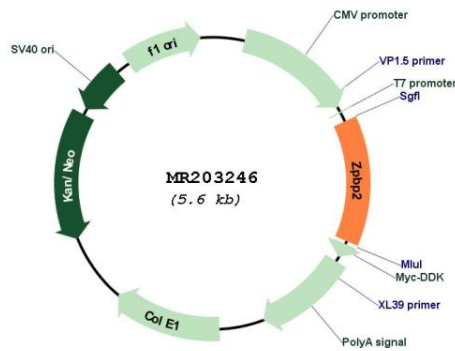
Locus ID: 69376

Cytogenetics: 11 D

MW: 28.4 kDa

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

Product images:



Circular map for MR203246