

Product datasheet for MR218040

Zpbp2 (NM_001166495) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zpbp2 (NM_001166495) 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:	>MR218040 representing NM_001166495 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATATTGATCGTGCCAATAAGAAACAGTGGACCCACCTATTTATGGACTGGGCAAATGAAAACA
CATTAAAAGGGAATAGCCAGATAAATAACAAACACAGGAGAACTGGTACTGAAGGATTTCTGGAGCC
GTTATCTGGACTTTACTCATGTATGCTTTCCTATAAGACTATCAAAGCAGAAACCAAGAAGAACTATG
ATAAAGAAGAAATATGACTTTCTGGTCTTTCATATCGGGAACCTGATTATTTACCACATGGCCGTGC
GTTTTACCACAGGATCTTGTGTAGGAAGACACAATGACCTGCTCTTAGAGTGCTGAAGAAAATCTTGA
TAACCTAATCTCTGATTTATTGTCCATGTCATAGAGCCATCATACAAATGCCATTTTGTTAAACTCCA
GAGAGGGACTTCTGTATGAGCTGTTTCATAGCCTTCAAGTGAATCCTTTTCGACCGGGCTGGAGAAGTT
TGTGCAACCGCTCTGCTGACTGTGAAGACATCACGAATCAACGTCCTCAAGGCGAGAGATCGGATGGA
AGAATTTTTTCGAAACAAGCACACATTCTACACCATCACTTCAACAGAACGGTCCCAGCTATGCACTTT
GTGGACCACAGTTTTCAAGTAACACGGATAGACAATTGTCGACCAGGCTTTGGGAAAAACGAAGTCTGC
ACAGCAATTGTGCTACCTGTTGCGTGGTCTGTAGTCCTGGAACGTTTCAGTCCCGATGTGGATGTCACCTG
TCAGATCTGTGTTTCTGTCCATATCTATGGAGCTAAAGCTTGCCCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR218040 representing NM_001166495
 Red=Cloning site Green=Tags(s)

MDIDRANKETVDPTYLWTGPNENTLKGNSQINITNTGELVLKDFLEPLSGLYSCMSYKTIKAETQEETM
 IKKKYDFLVFAYREPDYSYHMAVRFTTGSCVGRHNDLLFRVLKKILDNLISDLLCHVIEPSYKCHFVKLP
 ERDFLYELFIAFQVNPFAFGWRSLCNRSADCEDITNHNVLKARDRMEEFFRKQAHILHHHFNRTPVAMHF
 VDHSFQVTRIDNCRPGFGKNEGLHSNCATCCVVCSPGTFSPDQVDTVCQICVSVHIIYGAKACP

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_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

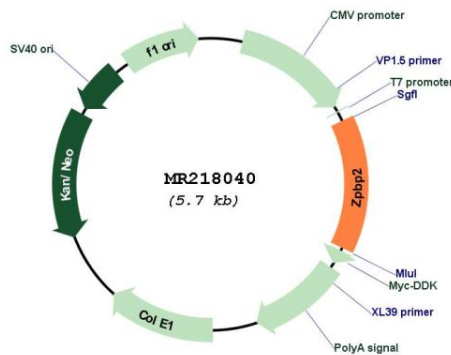
UniProt ID: [Q6X786](#)

Cytogenetics: 11 D

MW: 31.7 kDa

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

Product images:



Circular map for MR218040