

Product datasheet for MR221700

Zpbp (NM_001185153) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Zpbp (NM_001185153) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Zpbp
Synonyms: 4930486K01Rik; lam38; Sp38
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR221700 representing NM_001185153
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGTACCCAAGCTGGGTCCCAAGCTAGCACACCTCCCGCACATCACCCGAGCGGAAGTGGCGCTCCG
 TCGGTCCGTCTTCCGGCTGCCGTCTGCCAATTCCGGCGCGGGTGGGCGCGCCAGTTGGACATTT
 GGCTCGACTGCCAAGAAGTATCCACTTGACTCAAGATTCAGTAAATAGTGGGATCGACACATTTTCT
 GTGAGCGTATATGTTATGCTTCAAAAAGAGTCCACATGTGCTATGTGTAAACCAACGACTGAGAAATA
 CAGAGCTGGTAGACCCATCATTCCAATGGCATGGGCCAAAAGGAAAACCTGTTTCAGAAAATACCACTGC
 ACAAGTGACCTCCACAGGAAGCCTCATATTTGAGAGCTTTGAAGAGACCATGAGTGGGGTTTATACATGT
 TTCCTCGAGTATAAACCAACTGTAGAGGAATCTATTAATAATCTTCAACTGAAATACATTGTTTATGCTT
 ATCGTGAACCTCGGTTTTATTATCAGTTCACAGCTCGATACCATGCAGCTCCCTGCAACAGTATCTATAA
 CATTTCTTTTGAAGAAAACCTTCTCAGATTTTAAAGTAAGCTGGTCTTGACCTTCTGTGAAATATCC
 TTGATTAAGTCTGAATGCCATCGTGTTAAAATGCAAAGAGCTGGTTTGAAAATGAATTGTTCTTCACAT
 TTTCAGTTGCATCTATAGACACAGAAAAGGATCCAAGCCATGTACAGACCATAGTTGTGAAGCTTCCAA
 AAGATTATCTAAGGCTAAAATCTCATAGAGAGATTCTTCATTCAGCAAGTAGAAGTCTGGGCAAGCGT
 GCGGAGCCACTGCCTGAGATATACTACATTGAGGGAACCTTCAGATGGTGTGGGTGAACCGCTGCTTTC
 CAGGGTATGGCATAAATGTCTGAAGCATCCCAAGTGCCAGAGTGCTGTGTGGTCTGCAGCCCTGGATC
 CTTCAATCCCGGGATGGAACCTATTGCCTCCAGTGCAACAACAGCCTGGTGTATGGAGCGAAGACATGC
 ATG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR221700 representing NM_001185153
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MCTQAGSQASTPPAHHPGSGASVGPFRPAVCQLPAAGGRAPVGHARLPRSIHLTQDSLKIVGSTHFP
 VSVYVMLHQKSPHVLCTVQRLRNTELVDPSFQWHGPKGLVSENTTAQVTSTGSLIFQSFEEATMSGVYTC
 FLEYKPTVEESIKNLQLKYIVYAYREPRFYQFTARYHAAPCNSIYNISFEKLLQLSKLVLDLSCIEIS
 LIKSECHRVMQRAGLQNELFFTFVASIDTEKGSKPCTDHSCEASKRLSKAKNLIERFFIQQVEVLGKR
 AEPLPEIYYIEGTLQMVVWNRFCFPGYGINVLKHPKCECCVVCSPGSFNPRDGHCLQCNNSLVYGAKTC
 M

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

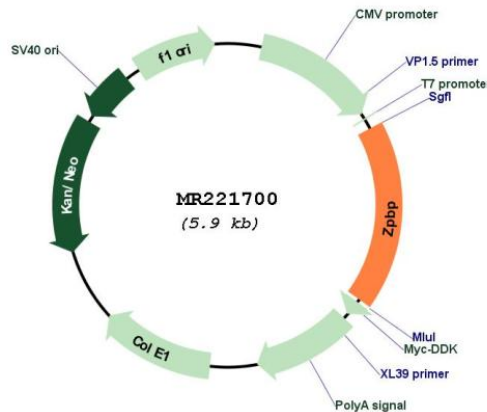
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<ol style="list-style-type: none">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
MW:	39.6 kDa
Gene Summary:	Plays a role in acrosome compaction and sperm morphogenesis. Is implicated in sperm-oocyte interaction during fertilization.[UniProtKB/Swiss-Prot Function]