

Product datasheet for **RG217396**

ZPBP2 (NM_199321) Human Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | ZPBP2 (NM_199321) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | ZPBP2 |
| Synonyms: | ZPBPL |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG217396 representing NM_199321 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGCGAACGTGCGTCTACTCTCCGCGGTGCTCTGGTGCCTCACAGGAGTCCAATGCCCGGTTTTA
CCTTATTCAATAAGAAGGGCTTCATTTATGGCAAGACAGGACAGCCAGACAAAATATATGTAGAGTTACA
TCAAAATAGTCCAGTCTTATCTGTATGGATTTAAGCTTTCTAAAAAGAAATAGTGGACCCACCTAC
TTATGGATTGGCCTAATGAAAAGACGTTAACAGGAAATAATAGAATAAATAACTGAACTGGACAGC
TGATGGTGAAGATTTTTGGAGCCTTTGTCTGGACTTTACACATGTACTCTTTCTATAAGACTGTTAA
AGCAGAAACTCAAGAAGAAAAACAGTCAAAAAGAGATATGACTTTATGGTCTTTGCCTATCGGGAACCT
GATTATTCATATCAGATGGCTGTACGTTTTACCACAAGGTCTTGTATAGGGAGATACAATGATGATTCT
TTAGAGTGCTGAAGAAAATCTTGGATAGTCTAATTTCTGATTTGTGATGAGCTATTTATAGCATTCAAGTTAAT
CCTTTTGGCGCGGGGTGGAAGGTGCTTGAATGGATCTGTTGACTGTGAAGATACCACTAATCATAATA
TCCTCCAGGCAAGAGATCGAATAGAAGACTTTTTTCGGAGCCAAGCATATATTTTCTACCATAACTTTAA
TAAACTCTACCAGCAATGCATTTTGTGGACCACAGTTTGCAAGTAGTACGTCTGGATAGCTGTCGACCA
GGCTTTGGAAAAAATGAACGCTACACAGTAATTGCGCTAGCTGTTGTGTGGTTGTAGTCTGCGACTT
TTAGTCTGATGTTAATGTAACCTGTGACACTGCGTTTTCCGTCCTTACCTATGGAGCTAAATCTTGCC
ACAAACTTCAAACAAAAATCAGCAATATGAAGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG217396 representing NM_199321
Red=Cloning site Green=Tags(s)

MMRTCVELLSAVLWCLTGVQCPRFTLFNKKGFYIGKTGQPKIYVELHQNSPVLICMDFKLSKKEIVDPTY
 LWIGPNEKTLTGNNRINITETGQLMVKDFLEPLSGLYTCTLSYKTVKAETQEEKTVKKRYDFMVFAYREP
 DYSYQMAVRFTRSCIGRYNDVFFRVLKKILDSLISDLSCHVIEPSYKCHSVEIPEHGLIHelfIAFQVN
 PFAPGWKGACNGSVDCEDTTNHNILQARDRIEDFFRSQAYIFYHNFNKTLPAMHFVDHSLQVVRDLDCRP
 GFgKNERLHSNCASCCVVCSPATFSPDVNVTCTCVSVLTYGAKSCPQTSNKNQYED

TRTRPLE - GFP Tag - V

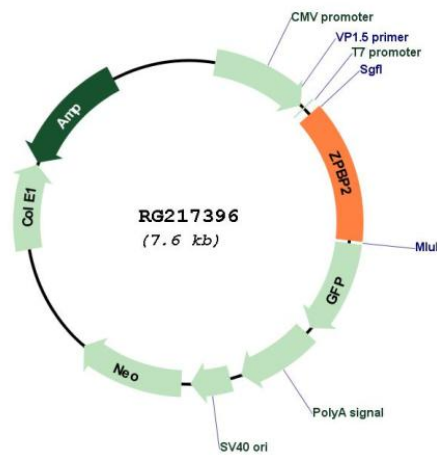
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_199321

ORF Size: 1014 bp

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| 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_199321.3 |
| RefSeq Size: | 1426 bp |
| RefSeq ORF: | 1017 bp |
| Locus ID: | 124626 |
| UniProt ID: | Q6X784 |
| Cytogenetics: | 17q21.1 |
| Protein Families: | Secreted Protein |
| Gene Summary: | Is implicated in sperm-oocyte interaction during fertilization.[UniProtKB/Swiss-Prot Function] |