

Product datasheet for **RG228836**

ZPBP1 (ZPBP) (NM_001159878) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZPBP1 (ZPBP) (NM_001159878) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZPBP
Synonyms:	ZPBP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG228836 representing NM_001159878 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGAGGCCCTTCGCCCTTGGCCAGCGCGGGGCGGGCAGGCGGGGACCCGGGCCCGGCTCCCTGCTCT
CTCGGGCCGCCATCCTCCTTTATCTCCGCTTCTGGTGCGGGTGCCCTCATCAGTTGGACACTTGGT
TCGATTACCAAGAGCTTTTCGTTGACCAAGATTCAGTGAAAAAGTGGGATCAACAAGTTTTCCAGT
AAAGCGTATGTCATGCTCCATCAAAGAGTCCACACGTGTTATGTGTAAACGCAACAACGCGAAATGCTG
AACTGATAGACCCATCATTCCAATGGTATGGGCCTAAAGGAAAAGTTGTTTCAGTAGAAAACCGCACTGC
ACAAATAACATCCACAGGAAGCCTTGATTTCCAAAATTTGAGGAGAGTATGAGTGGAATTTATACATGT
TTCTCGAATATAAACCTACTGTGGAAGAAATTGTTAAACGCTTCAACTAAAATATGCTATATATGCTT
ATCGTGAGCCTCATTATTATTATCAGTTCACAGCTCGATATCATGCAGCTCCCTGCAATAGCATTATAA
TATTTCTTTTGAAGAAGAACTTCTTCAGATTTTAAAGCAAAGCTGCTTTCGACCTTTCATGTGAAATTTCC
TACTTAAGTCTGAATGCCATCGGTTAAAATGCAAAGAGCTGGTTTGCAAAATGAATGTTCTTTGCAT
TTTCAGTTTCATCTCTAGACACTGAAAAAGGCCAAGCGATGTACAGACCATAACTGTGAACCTTACAA
AAGACTTTTTAAGGCTAAAAATCTCATAGAGAGATTTTTAATCAACAAGTAGAAATTTCTGGCAGACGT
GCAGAACAATTACCTCAAATATACTATATTGAAGTACTCTCAAATGGTTTGGATTAATCGCTGCTTTC
CAGGATATGGAATGAATGTCCAGCAACATCCAAAATGTCCTGAGTGTGTGATCTGCAGCCCTGGATC
ATATAACCCCGTGATGGAATTCATTGCCTTCAATGCAATAGCAGCCTGGTGTATGGAGAAAAACGTGC
TTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG228836 representing NM_001159878
 Red=Cloning site Green=Tags(s)

MEAFALGPARRRRRTRAAAGSLLSRAAILLFISAFIVRVPSSVGHVRLPRAFRLTKDSVKIVGSTSFV
 KAYVMLHQKSPHVL CVTQQLRNAELIDPSFQWYGPKGKVVSVENRTAQITSTGSLVFQNFEEMSGIYTC
 FLEYKPTVEEIVKRLQLKYAIYAREPHYYYYQFTARYHAAPCNSIYNISFEKLLQLSKLLLDLSC
 EISLLKSECHRVKMQRAGLQNELFFAFSVSSLDTEKGPKRCTDHNCEPYKRLF KAKNLIERFFNQVEILGRR
 AEQLPQIYYIEGTLQMVWINRCFPGYGMNVQQHPKCECCVICSPGSYNPRDGIHCLQCNSSLVYGAKT
 C

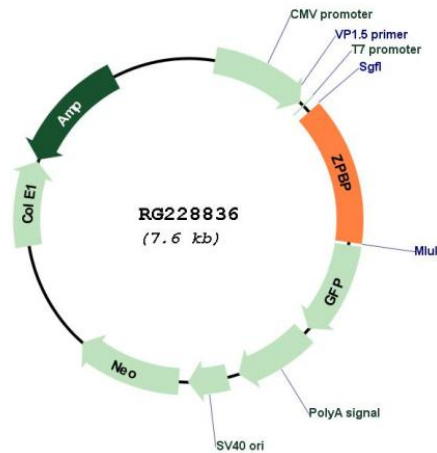
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001159878

ORF Size:	1050 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_001159878.1 , NP_001153350.1
RefSeq Size:	1224 bp
RefSeq ORF:	1053 bp
Locus ID:	11055
UniProt ID:	Q9BS86
Cytogenetics:	7p12.2
Protein Families:	Secreted Protein, Transmembrane
Gene Summary:	ZBPB is one of several proteins that are thought to participate in secondary binding between acrosome-reacted sperm and the egg-specific extracellular matrix, the zona pellucida (McLeskey et al., 1998 [PubMed 9378618]).[supplied by OMIM, Aug 2008]