

Product datasheet for RC202682

ZPBP1 (ZPBP) (NM_007009) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZPBP1 (ZPBP) (NM_007009) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZPBP1
Synonyms:	ZPBP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202682 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGCCCTTCGCCCTTGGCCAGCGCGGGCGGGCAGGCGGGGACCCGGGCCCGGCTCCCTGCTCT
CTCGGGCCGCCATCCTCCTTTATCTCCGCTTCTGGTGCGGGTGCCCTCATCAGTTGGACACTTGGT
TCGATTACCAAGAGCTTTTCGTTGACCAAGATTCAGTGAAAAAGTGGGATCAACAAGTTTTCCAGTG
AAAGCGTATGTCATGCTCCATCAAAGAGTCCACACGTGTTATGTGTAAACGCAACAACCTGCGAAATGCTG
AACTGATAGACCCATCATTCCAATGGTATGGGCCTAAAGGAAAAGTTGTTTCAGTAGAAAACCGCACTGC
ACAAATAACATCCACAGGAAGCCTGTATTCCAAAATTTGAGGAGAGTATGAGTGGAATTTATACATGT
TTCTCGAATATAAACCTACTGTGGAAGAAATTGTTAAACGTCTTCAACTAAAATATGCTATATATGCTT
ATCGTGAGCCTCATTATTATATCAGTTCACAGCTCGATATCATGCAGCTCCCTGCAATAGCATTATAA
TATTTCTTTTGAAGAAGAACTTCTTCAGATTTTAAAGCAAACTGCTTCTTGACCTTTCATGTGAAATTTCC
TTACTTAAGTCTGAATGCCATCGGTTAAAAAGCAAGAGCTGGTTTGCAAAATGAATGTTCTTTGCAT
TTTCAGTTTCATCTCTAGACACTGAAAAAGGACCCAAGCGATGTACAGACCATAACTGTGAACCTTACAA
AAGACTTTTTAAGGCTAAAAATCTCATAGAGAGATTTTTAATCAACAAGTAGAAATTTCTGGCAGACGT
GCAGAACAATTACCTCAAATATACTATATTGAAGTACTCTCAAATGGTTTGGATTAATCGCTGCTTTC
CAGGATATGGAATGAATGTCCAGCAACATCCAAAATGTCCTGAGTGTGTGTATCTGCAGCCCTGGATC
ATATAACCCCGTGATGGAATTCATTGCCTTCAATGCAATAGCAGCCTGGTGTATGGAGAAAAACGTGC
TTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC202682 protein sequence
Red=Cloning site Green=Tags(s)

MEAFALGPARRRRRRAAGSLLSRAAILLFISAFIVRVPSSVGHVRLPRAFRLTKDSVKIVGSTSFV
 KAYVMLHQKSPHVL CVTQQLRNAELIDPSFQWYGPKGKVVSVENRTAQITSTGSLVFNFEESMSGIYTC
 FLEYKPTVEEIVKRLQLKYAIYAYREPHYYYQFTARYHAAPCNSIYNISFEKLLQLSKLLDLSC
 EISLLKSECHRVKMQRAGLQNELFFAFSVSSLDTEKGPKRCTDHNCEPYKRLFKAKNLIERFFNQVEILGRR
 AEQLPQIYYIEGTLQMVWINRCFPGYGMNVQHPKCECCVICSPGSGYNPRDGIHCLQCNSSLVYGAKT
 C

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6231_d11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_007009

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_007009.3](#)

RefSeq Size: 1227 bp

RefSeq ORF: 1056 bp

Locus ID: 11055

UniProt ID: [Q9BS86](#)

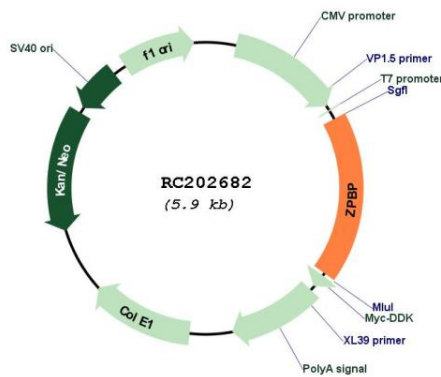
Cytogenetics: 7p12.2

Protein Families: Secreted Protein, Transmembrane

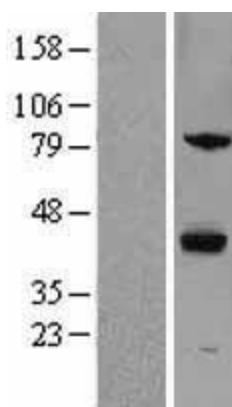
MW: 40.1 kDa

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]

Product images:



Circular map for RC202682



Western blot validation of overexpression lysate (Cat# [LY416259]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202682 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).