

Product datasheet for **RR210093**

Pbp2 (NM_001105756) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pbp2 (NM_001105756) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pbp2
Synonyms:	Pebp-2; Pebp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR210093 representing NM_001105756 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTGCAGACATTACGGTGTGGGCTGGGCCGCTGAGCCTACAGGATGTAGACGAGCAGCCCCAGCACC
TACTGCGGGTACCTACGCCGGGCGGAGGTGAGTGAGCTGGGCCAAGTGTGACGCCCAACCCAGGTAA
GAACAGACCCAGCAGCATTACATGGGATGGCCTTGACCCGGGGAACTCTACACCTTGATCCTCACAGAC
CCAGATGCTCCAGTAGGAAAGAACCCATACAGGGAATGGCACCATTTCTGGTGGTCAACATGAAAG
GCAACGACATCAGCAGCGCAAGGTCCTCTCGGATTACGTGGGTTCCGGGCCTCCAAGGGCACTGGCCT
CCATCGCTATGTATGGCTGGTGTACCAGCAGGACAAGCCACTGAAGTGTGACGAACCCATCCTACCAAC
CGGTCTGGGAACCAACGTGGGAAATTCAAAGCTGCAGCCTTCCGCAAGAAGTATCATCTGGGAGCCCCGG
TGGCCGGCACGTGTTACCAGGCAGAATGGGACAGCTATGTTCCCAAGCTGTACAAACAGCTGTCTGGGAA
A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RR210093 representing NM_001105756 Red=Cloning site Green=Tags(s)
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MPADITVWAGPLSLQDVDEQPQHLLRVTYAGAEVSELGQVLTPTQVKNRPSSITWDGLDPGKLYTLILT
PDAPSRKEPIYREWHHFLVNMKGNDISSGKVLSDYVSGPCKGTGLHRYVWL VYQDKPLKCDEPILTN
RSGNQRGKFKA AFRKKYHLGAPVAGTCYQAEWDSYVPKLYKQLSGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV


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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001105756

ORF Size: 561 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_001105756.1](#), [NP_001099226.1](#)

RefSeq Size: 1295 bp

RefSeq ORF: 564 bp

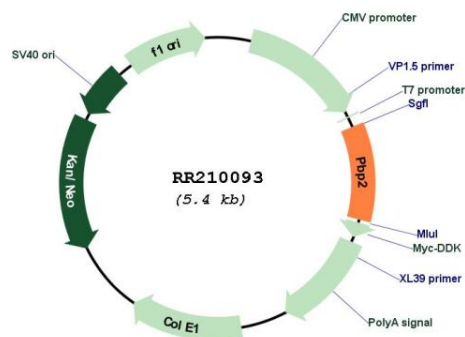
Locus ID: 246145

Cytogenetics: 4q43

MW: 20.9 kDa

Gene Summary: may be involved in the MAP kinase signaling pathway, with a role in spermatogenesis or posttesticular sperm maturation [RGD, Feb 2006]

Product images:



Circular map for RR210093