

Product datasheet for **RR205613**

Pmfbp1 (NM_134393) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pmfbp1 (NM_134393) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pmfbp1
Synonyms:	ODF3; Stap
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RR205613 representing NM_134393
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTAAAGCTTAAAGGAGAATTCGAAGTCCAAAGGAGTGAAGATGAGAACAAGAAGCAAGCTCAGA
 CATTAGTATTCACAGATAACCAGGTGGAATTCAGTCCAATAAGCAGTATCACCTCAGACAACTTCAGCA
 ACTGAAGAAGAAGCTGCTGACCTGCAGCAGGAGCTGGAGATCCGCACCCAGGAGCTGCAGGCTTCTAC
 CGCTCCCTCCTGCAGTACCAGTCCATCCTGGAGAAGCAGACTTCGACCTTCTTGTCTTCCACATCACT
 GCAAACCTCAAGGAAGATGAGGTCACTTCTACGAGGAGGAGATGGGAAGTCACAGTAAGAACACCGGGGA
 GAAGCTCCATCTGGCCCAAGAGCAGCTTGCTTGGCAGGGGACAAGATCGTCTCCCTAGAACGGAGCCTA
 AACCTCTACAGGGACAAGTACCAGACTTCCTGAGCAACATCGAGCTGCTGGAGTGCCAAGTGAAGATGC
 TGGAGGAGGAACCTAGCGGACTCATTTGTCAGGACCCTGAGAACAAGGTGACCACTCGAAGTTTCGCAT
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 AACGTGAGGAGGCTTTGATAAAATTACGAGCAGACTTTGCTTCTACACGGCCACCCACAGGCATCCCCC
 TACCTCCTCAGAAGACTGTGAAGACATCACAAGATCCTAAAGTACCTGCAAGAACAGAAAGACAGCCAG
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 TATAGGCAACACCGGGAGAATGACCAGATTATGTGCAATGTGGAACAGTGGGCAAGGAGCAGAAGCTTG
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 AAGCTAAAGGCTGGGACCCGAGGATCTGTGCAAGGTCTAGGCCCGTGCAAACTGGAGCCGCTCCAGA
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 CAAGTACACCGGGTGCCTCACTGCTCAGGATCCTCCTATTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205613 representing NM_134393
Red=Cloning site Green=Tags(s)

MLKLKGEFRTAKGLKDENKKQAQTLVFTDNQVEFKSNKQYHLRQLQQLKKKLLTLQQELEIRTQELQASY
RSLQYQSILEKQTSDDLVLHHCKLKEDEVILYEEEMGSHSKNTGEKLHLAQEQALAGDKIVSLERSL
NLRYDKYQTSLSNIELLECQVKMLEEELSGLICQDPENKGDHVKVRIYTPCMIQEHQETLKRSEVWQK
VSEQDDLQELRNKLACNSLVLEREALIKLRADFASYTATHRHPTTSSCEDITKILKYLQEQKDSQ
CLHVEEYQNLVKDLRLELEAVSEQKKKIMKDMMKLELDLHGLREETSCVIEKKDKETVFLQYRLQDLQQQ
YTESQKLSLKKDKLLQDKDERLNELEKLTQVQCLFLEKETEKLQSTTKELDANLQEVQRSTSKIDNE
GLRSEIQKLKESLEEAREQLRVSDQNLQCKDEAHLANNLEDAHRKLENCLLQDKRKDDVIKDLQSQLQ
KLQKESSETEERKNNRQQLLELSELNEGQRRLSAEKEKSLQKTLDEEEKIDEELLHGAKVSEKQQR
ELTNSLSKLQDELAETKRLLEEKREQLRKSQDEKALEEEIEALRQESKKKEKMAKEQLRKEEKENLQ
AELSSCSSQLDSSINKYNNQVIQELNTEIARQKDSIMILQTLDSAIQKEKNCQNMVSKETYEELLR
KSGTCQDDLQALEKLQATSETKSLQRNLQQTQERKAQLEDEIMAYEERMKKLNMELKKLQGFQQQSEL
EVHNFDDKLEEMGNQVLQWRQHQSDLKMLAAKETQLREFQEEMTALKENLLADEKPSLMPSPKAPKEN
YRHHRENDQIMCNVEQWAKEQLANEKLGKLRQVQYIAKLTGEKDLHNVMAHLQQENKKLKNEIEEK
KLKAGTPRICKAVLGPCKLEPSQKGLCGALGWRGVCQDPLPKMDLTKYTGVPHCSSSYC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

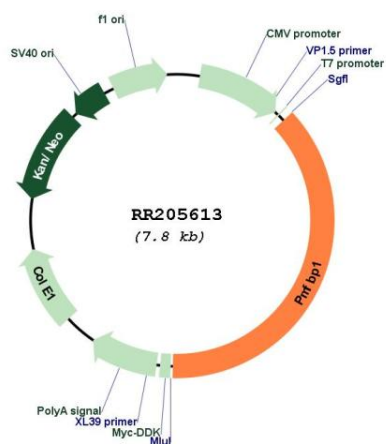


ACCN: NM_134393

ORF Size: 2913 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_134393.2 , NP_599220.1
RefSeq Size:	3307 bp
RefSeq ORF:	2916 bp
Locus ID:	171414
UniProt ID:	Q9Z221
Cytogenetics:	19q12
MW:	113.5 kDa
Gene Summary:	coiled-coil protein that is a component of the outer dense fibers of the sperm tail; may play a role in cytoskeleton organization [RGD, Feb 2006]

Product images:



Circular map for RR205613