

Product datasheet for **MC223237**

Pmfbp1 (NM_019938) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pmfbp1 (NM_019938) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pmfbp1
Synonyms: 1700016D22Rik; F77; Stap
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223237 representing NM_019938
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTAAAGCTTAAAGGAGAATTACGAAGTCCAAGGGACTGAAGAATGAGGCTGGGGAGAGAGACAGGG
 ATGTCAGCAATCTAAACAGCAAGCTCTTGAGCCTACAAGTGGACATCAAGAATCTCCACGATGTCTGCAA
 GAGGCAGGGGAAGACCTTGAAGAGAACCAGCTCTGCGTGGAGGAAGCGATGCTGAAAGCCAACCACAAC
 AAGAAGCAAGCCAGACGTTAGTATTACGGACAACCAGATGGACTTCCGGTCAATAAGCAATACCATC
 TCAGGCAACTCCAGCAACTGAAGAAGAAGCTGCTGACCCTCCAGCAGGAAGTGGAGTTCCGTACCCAGGA
 GCTCCAGGCTTCTACTGCTCTCTCCTGCAGTACCAGTCGATCCTGGAGAAGCAGACTTCCGACCTTCTT
 GTTCTTACCCTCACTGCAAACTTAAGGAAGATGAGGTCAATTCTCTACGAGGAGGAGATGGGAAATCATA
 GTAAGAGCACGGGGGAGAACTCCATCTGGCGCAAGAGCAGCTTGCCCTGGCGGGGACAAGATCCTCTC
 CCTAGAAAGGAGCCTAACCTCTACAGGGACAAGTACCAGACTTCCCTGAGCAACATAGAGTTACTGGAG
 TGCCAAGTGAAGATGCTGGAGGGGAAGTACAGCGACTCATTGGTCAGGACCTGAGAACAAGGAGAC
 ACCGGAAGTTGCAATCTACACTTCTCCGTGCGTGATTCAAGAGCATCAGGAGACCCTAAAGCAGTGTG
 TGAAGTCTGGCAAAAGGTTTCTGAACAGGATGACCTAATCCAGGAGCTTCCGGAATAAACTGGCCTGCAGC
 AACTCTTTGGTCTGGAGCGTGAGGAGCGTTGATAAAATTACAAGCTGAGTTTGCCTTCTACACAGCCA
 CCCACCGCATCCCCCTACCTCCTCAGAAGACTGTGAAGACATCAAAAGATCCTGAAGCACCTGCAAGA
 GCAGAAAGACAGCCAGTGCCTGCACGTGGAGGAGTACCAGAACCTTGTGAAGGACCTGCGCATGGAGCTG
 GAAGCTGTGTCAGAACAGAAGAAAAGATCATGAAGGACATGATGAAGCTGGAGCTAGATCTACATGGGC
 TGCGGGAAGAGACGTCTGCGTCATCGAGAAGAAGGACAAGGAGACTGTCTTCTGCAGTACCGGTGCA
 AGATCTGCAGCAACAGTACACAGAGTACAGAAGCTGTCCCTGAAGAAGGACAAGTTGCTCAAGACAAG
 GATGAGAGGCTGCACGAGCTGGAGAAGAATCTGATGCAGGTGCAGAACAGCCTCAGAGAGAAAGAGGCAG
 AGCTGGAGAAGCTACAGTGTACAACAAAGAAGTGGACACCAGCCTCCAAGAAGCTAGGCAAGACATC
 CAAAATAGACTGCGAGGCCCTGCGGGCCGAGATCCAGAAGCTCAAGGATAGCCTCGAGGAGGCCAGGGAG
 CAGCTGAAGGTGTGAGATCAGAATCTAACCCAGAGTAAGGAGGAAGCGCACCTCTCTGCCAGCAGCCTAG



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AGGATGCTCATCGGAAAATCGAGAAGTGCCTTCTCCAGGACAAGCAGAAGGAAGAGGTCATTAAGGATCT
 GCAGAGCCAGTTGCATAAGCTACAGAAGGAGTCTTCGAAAATTGAGGAGGAACGAAAACACAACAGGCAA
 CGGTTACAGGAGCTGAGCTCGGAACTCTCTGAAGGCCAGAGAAGGCTTTTGAATGCAGAGAAGGAAAAGT
 CGCTGCTTCAGAAAGACTGGATGAAGACGAGAAAAAGATAGATGAGCTATTTACACGCACCCAAGTCTC
 TGAGCAAAAGCAAAGGGAGCTAACAACTCCATAAGGAAGCTAGAGGAGGAAGTCTGGAGATAAAAGGG
 CTCTTGGAGGAGAAAACGAGAGCAACTGAAGAAGAGTAAGGAACAGGAGAAGGCAGTGGAGGAAGAGATCG
 AGGCTTTGCGACAAGAAGCGAAAAGGAAAAGAGAAGATGGCGAAGGAACATTTGAGAAAAGCTGGATGAAGA
 GAAGGAGAACCTGCAGGCTGAGTTGACCTCCCGTTCTCACACCTGGACTCCTCTCTCAACAAATACAAC
 TCCTCCAGAAAAGTCATCCAAGAGCTCAACGCGGAGATAGCCCGCAGAAAGGATTCCATCATGATTCTGC
 AGACACAGCTGGATTCGGCTATCCAGAAAAGAGAAGAACTGTTTCCAGAACATGGTTAGTAAAGAAGCTTA
 TGAGGAACTTGTGCGGAAGTCGGGCAACTGCCAGGACGACCTGCACAGGCCCTGGAGAAGCTCACTCAG
 GCAACCTCAGAGACAAAGAGCCTGAATCGCTCCTTGAACAGACCCAGGAGAGGAAAGCTCAACTGGAAG
 ATGAAATCGCGGCTTATGAGGAAAGGATGAAAAAGCTCAATATGGAGTTAAAAAACTGCAGGGCTTCCA
 ACAGCAGAGCGAGCAAGAGGTGCACAATTTGACAAGAAGCTGGAGGAGATGAGCAACCAGGTGTTGCAG
 TGGCAGAGGCAGCACCAGAGTGACCTTAAGATGTTGGCAGCTAAGGAGTCGCAGCTCCGAGAATTCAGG
 AGGAAATGGCGACCTAAGAGAGAGCCTCCTTGACAGATGAGAAGGAGCCGTACTCCCGCCTGCAAAGCT
 AACCCCAAAGAAAACCTGCAGGCCACCACCGGGAATGACCAGATTATGAACAACGTGGAACAATGGGCA
 AAGGAGCAGAAGATTGCCAATGAGAAGTTGGGAAAACAGCTGAGAGAGCAGGTTAAATACATTGCCAAGT
 TGACTGGCGAAAAGGACCACCTCCACAATGTAATGGTCCACCTGCAGCAGGAGAACAAAAAGCTGAAGAA
 CGAGATAGAAGAGAAGAAGCTAAAGGCCGGAAACCCGAGGATCTGTGTCAAGGCCTTTCCCCCAAACAAA
 CTGGAGCCTTCCCAAAGGGAAGCTATGCTGTGCCCTGGGCTGGAGAGGGATACCCAGGACCTGACAC
 CGAAAACGGACCACAAGTACATGGGTTACCTCACTCCTCAGGCTCCTCCTACTGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_019938

Insert Size:

3069 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_019938.3](#), [NP_064322.1](#)

RefSeq Size:

3398 bp

RefSeq ORF:

3069 bp

Locus ID: 56523

UniProt ID: [Q9WVQ0](#)

Cytogenetics: 8 57.05 cM

Gene Summary: Required for normal spermatogenesis (PubMed:30032984, PubMed:30298696). It functions as a scaffold protein that attaches the sperm head-tail connecting piece to the nuclear envelope, thus maintaining sperm head and tail integrity (PubMed:30032984). May also be involved in the general organization of cellular cytoskeleton.[UniProtKB/Swiss-Prot Function]