

Product datasheet for **SC327242**

PMFBP1 (NM_001160213) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PMFBP1 (NM_001160213) Human Untagged Clone
Tag:	Tag Free
Symbol:	PMFBP1
Synonyms:	SPGF31; STAP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001160213, the custom clone sequence may differ by one or more nucleotides

```

ATGGGAAATCACAAACGAGAACACAGGGGAGAAGCTCCATTTGGCGCAGGAGCAACTCGCC
TTGGCCGGGGACAAGATCGCCTCTCTAGAGAGGAGCTTAAACCTTACAGGGATAAATAC
CAGTCTTCCCTGAGCAACATCGAGTTACTAGAATGCCAAGTGAAGATGTTGCAGGGGGAA
CTCGGCCGGGATCATGGGTGAGGAGCCTGAGAACAAGGGTGATCATTCAAAGGTACGGATA
TACACTTCTCCTTGATGATTCAAGAGCATCAGGAGACTCAGAAACGACTGTCTGAAGTC
TGGCAAAAAGGTCTCTCAACAGGATGATCTCATTCAAGAACTTCGAAATAAGCTGGCCTGC
AGTAACGCTTTGGTTCTGGAGCGTGAAAAGGCTTTGATAAAAACACAAGCCGATTTTGT
TCCTGTACAGCCACCCACAGATACCCTCCTAGCTCCTCAGAAGAGTGTGAAGACATCAA
AAGATACTGAAGCACTTGCAGGAGCAGAAAAGACAGCCAGTGCCTGCATGTGGAGGAGTAC
CAGAACCTGGTGAAGGATCTGCGCGTGGAAGTAGAGGCCGTGTCGGAACAGAAGAGAAAC
ATCATGAAGGACATGATGAAGCTGGAGCTGGACCTGCACGGACTGCGGGAGGAGACATCT
GCCACATTGAGAGGAAGGATAAGGACATCACCATCCTGCAGTGCCGGCTGCAGGAGCTG
CAGCTGGAGTTACCCGAGACCCAAAAGCTCACTTTGAAGAAAGACAAGTTCTCCAAGAG
AAAGATGAGATGCTGCAAGAGCTGGAGAAGAAAAGTGCACAGGTTTCAGAACAGCCTCCTG
AAAAAGGAGAAGGAGCTGGAGAAGCAGCAGTGCATGGCCACAGAAGTGAATGACAGTC
AAGGAGGCTAAGCAGGACAAGTCCAAGGAGCGGAGTGAAGGCCCTGCAGGCTGAGGTC
CAGAAGCTGAAGAACAGTCTCGAAGAGGCCAAGCAGCAGGAGAGGCTGGCTGCTCAGCAA
GCAGCCCAGTGCAAAAGAGAGGCTGCACTGGCAGGCTGTACCTGGAGGACACCCAGAGG
AACTGCAGAAGGGTCTCCTCCTGGACAAGCAGAAGGCAGACACCATCCAGGAATACAG
AGAGAATTTCAGATGCTGCAGAAGGAGTCTCGATGGCTGAGAAGGAACAAAACCTCCAAC
AGAAAACGGGTGGAGGAGCTGTCAATAGAACTCTGAAAGCCCTGAGGAAGCTTGAAAAT
TCAGACAAGGAAAAGAGGAGCTTCAGAAGACAGTGGCTGAGCAGGATATGAAAATGAAT
GACATGCTTGATCGTATCAAGCACAGCAGGAGCAAGGCTCCATCAAATGCAAGTTA
GAAGAAGATCTTCAGGAGGCCACAAAGCTTCTGGAGGACAAAAGGAGCAGTTGAAGAAG
AGCAAAGAGCATGAGAAGCTGATGGAGGGAGAAGTGAAGCTTTGCGGCAGGAATTTAA
AAGAAAGACAAGACGTTGAAAGAGAATTCAGAAAAGTGGAGGAAGAAAATGAGAATCTC
CGAGCAGAGCTACAGTGTGTTCTACACAAGTGAATCCTCTCTCAACAAATACAACACC
AGCCAGCAAGTCAATCAAGACTTGAATAAAGAGATAGCCCTTCAGAAGGAGTCTTAATG
AGCCTGCAGGCCAGCTGGACAAAAGCTCTGCAGAAGGAGAAGCACTATCTCCAGACTACC
ATCACCAAGAAGCCTATGATGCATTATCCCGGAAGTCAGCCGCCTGCCAGGATGACCTG
ACACAAGCCCTCGAGAAGCTCAATCACGTGACCTCAGAGACAAAAGAGCCTGCAGCAAAGC
TTGACACAGACCCAAGAGAAGAAAAGCTCAGCTGGAAGAGGAAATCATTGCTTATGAGGAA
AGGATGAAAAAGCTCAATACGGAATTAAGAAAAGTGGGGGCTTCCACCAGGAGAGTGAG
CTGGAGGTGCACGCTTTGACAAGAAGCTAGAGGAGATGAGTGGCAGGTGCTGCAGTGG
CAGAAGCAACACCAGAATGACCTCAAGATGCTGGCAGCCAAAAGAGGAGCAGCTCAGGGAG
TTCCAGGAGGAGATGGCCGCCTTAAAAGAGAACCTCCTTGAGGACGATAAGGAGCCCTGC
TGCTGCCCCAGTGGTCTGTGCCCAAAGACACCTGTAGGCTCTACCGAGGGAATGATCAG
ATTATGACCAACTTGGAGCAATGGGCAAAAACAGCAGAAGGTGCAATGAGAAAAGTAGGA
AACCAGCTCCGAGAGCAGGTGAAATACATTGCCAAGCTGAGTGGGAAAAGGACAGGGAA
CCAACCAGAGCCAGCAGCCCAACAACACCCGCTCCTCTCCTTCCCACAGCCACCTC
CACAGTGTAAATGGTCCACTTGCAGCAGGAAAACAAGAAGCTGAAGAAGGAGATAGAAGAG
AAGAAGATGAAAGCCGAGAACACAAGGCTATGCACCAAGCCCTAGGCCCGAGCAGAACG
GAGTCCACACAGAGGGAGAAAGTGTGCGGCACCTTGGGCTGGAAGGGGTTGCCCCAGGAT
ATGGGTCAAAGAATGGACCTCACCAAGTACATCGGGATGCCCCACTGCCCGGTTCTCA
TACTGC
    
```

Restriction Sites: Please inquire
ACCN: NM_001160213

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001160213.1, NP_001153685.1</u>
RefSeq Size:	3690 bp
RefSeq ORF:	2649 bp
Locus ID:	83449
UniProt ID:	<u>Q8TBY8</u>
Cytogenetics:	16q22.2
Gene Summary:	<p>Required for normal spermatogenesis (PubMed:1770140, 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 (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) has multiple differences compared to variant 1. These differences result in a distinct 5' UTR, translation initiation at a downstream AUG codon, and an additional segment in the 3' coding region, compared to variant 1. The encoded protein (isoform b) is shorter than isoform a.</p>